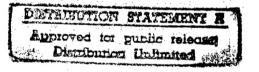
Data Base Documentation for the Enhanced Computer Administered Tests at Keesler AFB, Fort Sill, Fort Knox, and Fort Benning

January 28, 1992

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## INTRODUCTION

This report documents the Enhanced Computer Administered Tests (ECAT) data base for Keesler AFB (MS), Fort Sill (OK), Fort Knox (KY), and Fort Benning (GA). Before describing the data files, some introductory comments are in order regarding the experimental groups and test administration procedures.

All subjects completed a Pre-Enlistment Paper-and-Pencil Armed Services Vocational Aptitude Battery (PRE-P&P-ASVAB) prior to participating in this study. At the military bases, all subjects completed ECAT in the morning. In addition, RGI Test Administrators (TAs) collected personal data at Keesler AFB from each subject's DD Form 714A or 1966/1.

RGI TAS administered more than one version of ECAT. At all sites, TAS began administering Version 2.0, which contains 93 records per case. At Fort Knox, TAS administered Version 2.0 throughout the entire study. Keesler AFB, Fort Sill, and Fort Benning switched to Version 5.0, which contains 97 records per case, on the following dates respectively: 11 March 1991, 03 May 1991, and 06 May 1991. Table 1 presents the file names and file descriptions for the data files in this study.

Table 1

Data File Descriptions

a File Name	File Description
KEES.MERGE	This file contains 2 lines of Personal data and 97 lines of ECAT data.
KEESERROR.MERGE	Error file for Keesler ECAT 97 merged files.
KEESECAT2.FUL93	Keesler RAW ECAT Non-Operational Test (Vers. 2.0) - 93 lines
KEESECAT5.FUL97	Keesler RAW ECAT Non-Operational Test (Vers. 5.0) - 97 lines
KEESPERS.FUL	Keesler Personal Data

This table presents file names and descriptions for data collected from Keesler AFB. Only the first part of names change for comparable data files from Fort Knox (KNOX), Fort Sill (SILL), and Fort Benning (BENN).

## UNIFORM ECAT DATA REFORMAT

NPRDC requested that RGI reformat all versions of ECAT into a uniform, 97-record version, including some additional calculated variables. This section describes the reformatted ECAT data files.

ECAT Version 5.0 served as the template for the reformat. With this in mind, data base personnel first reformatted Subtest Headers and Subtest Summary Lines. We standardized Subtest Headers across all test versions and added the ECAT Raw Data Version No. and Beginning Test Date to the Header. For Subtest Summary Lines, we standardized the lines across all test versions. Also, where item level data were available, we calculated all Proportion Correct variables using only non-practice subtest items, instead of all attempted subtest items, as in the Raw ECAT versions.

Next, RGI reformatted the Sequential Memory (SM), Integrating Details (ID), Mental Counters (MC), Target Identification (TID), and One and Two Hand Tracking (TR1 and TR2) subtest data. Between Version 2.0 and later versions of ECAT, NPRDC relocated, but did not change, SM subtest items. RGI data base personnel relocated Version 2.0 SM items in the ECAT data analysis file as indicated in Table 2. In addition, we modified the SM subtest Accuracy Variable for each item across all SM subtest versions to indicate the number of digits correct. In previous versions a flag indicated whether or not all digits were correct for the item. Also, we modified the Proportion Attempted Variable on the Subtest Summary Line to reflect a correct range of 0.000 to 1.000, instead of 0.000 to 5.000, as before. Furthermore, RGI added two new variables to the Summary Line: Proportion of Digits Entered Correctly and Proportion of Subtest Items with all 5 Digits Correct. Finally, in the Data Analysis reformat of the Version 2.0 SM subtest, Item Response Latencies are missing since the Version 2.0 software does not save

Table 2
Sequential Memory (SM) Item Relocation

Version 2.0 SM Item No.	Data Analysis SM Item No.
1	2
2	3
3	6
4	8
5	1
6	4
7	5
8	7
3	6 8
5	1
6	<b>4</b>
7	5
8	7 9
10	10
11	11
12	13
13	14
14	18
15	22
16	25
17	28
18	30
19	33
20	34
21	12
22	15
23	16
24	17
25	19
26	20
27	21
28	23
29	24
30	26
31 32	27
33	29 31
34	32
35	35

that variable.

For the ID subtest, RGI changed the Subtest Header to reflect the total number of Quick Response Flags (both Integrate and Decision Times) for all items. We also changed the Mean Reaction Variables from arithmetic means to geometric means for Integrate Time and for Decision Time. We calculated the geometric means as follows: antilog (  $\Sigma(\log(\mathrm{Dec.or\ React.\ Time}))$  / n )

Across all versions of the MC subtest, RGI changed the range of Item Responses from 0 - 3 to 1 - 4. Also, In the Data Analysis reformat of the Version 2.0 MC subtest, Item Response Latencies are missing since the Version 2.0 ECAT software does not save that variable.

For TID subtest summary values, RGI based all the values on 36 "pre-scored" actual items, instead of 39 (3 practice + 36 actual) items. RGI used the following procedure to "pre-score" items:

- (1) An item "time out" flag causes an "item incorrect" score.
- (2) For the Item Decision Time variable is less than 1.00 (100 msec.), we set the item to missing.
- (3) For the Item Response Time variable is less than 0.10 (10 msec.), we set the item to missing.
- (4) The reformat procedure does not consider Decision Time and Response Time values for calculations for any item flagged as incorrect or missing.

After "pre-scoring", the reformat procedure obtains the Median Decision Time variable and the Median Response Time variable of all valid (non-missing) items and calculates the Proportion Correct variable from all non-practice subtest items. All recalculated variables appear in the Subtest Summary line.

Finally, for TR1 and TR2 subtests, where possible, RGI based all calculations on 18 actual items, instead of all 24 subtest items (3 practice items, 3 "real" but unscored items, and 18 actual items). We also included a new variable, Standard Deviation of Avg. Log\*1000 + 1 of RMS for valid items, in the Subtest

Summary Line. No data were available for recalculation of the Average RMS variable, which is based on all 24 subtest items. Therefore, data base personnel transferred the Average RMS variable directly from the Raw ECAT Version to the reformatted version.

#### DATA ORGANIZATION

Data base personnel separated all versions of ECAT administered during this study into version-specific files then reformatted all versions into a uniform, 97-record version. Next, they organized the reformatted data into 4 files for Fort Knox and 5 files for Keesler AFB, Fort Sill, and Fort Benning. They then copied these files to three tapes in the NPRDC Tape Library and made a copy of each tape. The tape User Name is Moreno and the Volume Description is RGI. The tapes are 9 track with a density of 6250 (bpi) and are in the EBCDIC format. Table 3 presents the file formats for these tapes. The first column in these tables indicates the NPRDC Tape Library number, the second column indicates the name of the file, and the third column indicates its position on the tape. Columns 4 through 6 contain the record length, the block size, and the blocking factor, respectively. The seventh column presents the number of records in the file, and the last column indicates the number of examinees in the file.

Table 3

List of File Formats for the Data Tapes

Tape Number	File Name	File Number	Record Length	Block Size	Blocking Factor	Number of Records	N
1489 &	1508						a
. 100 %	KEES.MERGE	1	80	4800	60	103752	1048
	KEESERROR.MERG	E 2	80	4800	60	29	29
	KEESECAT2.FUL9	3 3	80	4800	60	31434	338
	KEESECAT5.FUL9	7 4	80	4800	60	67803	699
	KEESPERS.FUL	5	96	5760	60	1030	1030
0284 &	1881						b
	KNOX.MERGE	1	80	4800	60	197901	1999
	KNOXERROR.MERG	E 2	80	4800	60	98	98
	KNOXECAT2.FUL9	3 3	80	4800	60	177258	1906
	KNOXPERS.FUL	4	96	5760	60	1994	1994
	,						С
	BENN.MERGE	5	80	4800	60	113158	1143
	BENNERROR.MERG		80	4800	60	122	122
	BENNECAT2.FUL9		80	4800	60	77097	829
	BENNECATS.FUL9		80	4800	60	27742	286
	BENNPERS.FUL	9	96	5760	60	1049	1049
1710 &	3581						d
	SILL.MERGE	1	80	4800	60	90585	915
	SILLERROR.MERG		80	4800	60	115	115
	SILLECAT2.FUL9		80	4800	60	49662	534
	SILLECAT5.FUL9	•	80	4800	60	35211	363
	SILLPERS.FUL	5	96	5760	60	818	818

Note. Data collection problems required RGI to blank-fill certain records for examinees for whom there are either no data or irregular data. The footnote below indicates where this occurred. RGI will deliver irregular data for these examinees under separate cover.

KEES.MERGE has 11 ECAT blank-filled records.

KNOX.MERGE has 93 ECAT blank-filled records.

BENN.MERGE has 28 ECAT blank-filled records.

SILL.MERGE has 18 ECAT blank-filled records.

#### DATA FORMATS

This section begins with an overview of the record layout tables. The last two sections describe the merged data file and the two raw ECAT data files.

Overview of Record Layout Tables

Tables for each type of file document the COLUMN NUMBERS, the VARIABLE FORMAT and DESCRIPTION, and the VALID RANGES and VALUES. The FORMAT heading uses the following standard notation:

"<type> <size>"

where <type> is one of:

I for Integer Data

F for Floating Point Data

A for ASCII Data

and <size> describes the length of the field. Note that in the format "F 7.3", the "7" refers to the total length of the field *including the decimal point*, and the "3" refers to the number of digits *after* the decimal point, for example: "123.456". An optional repetition factor may precede the FORMAT:

"<count> <type> <size>"

for example:

3 (I 2)

indicates that the field "I 2" (a 2-digit integer field) occurs 3 times.

All ECAT record layouts use the following abbreviations for ECAT subtests:

Test Name and File Order	<b>Abbreviations</b>
Sequential Memory	SM
Spatial Reasoning	SR
Integrating Details	ID
Assembling Objects	AO
(Spatial) Orientation	OR
Mental Counters	MC
Target Identification	TID
One-Hand Tracking	TR1
Two-Hand Tracking	TR2

One or more BLANKs separate most data fields. Since the end of one field and the beginning of another imply BLANKs, this report does not include explicit descriptions of the BLANK fields unless needed for clarity.

#### Data Analysis Files

Tables 4 and 5 provide a description of the merged data analysis file for examinees who took the ECAT at one of the military bases (eg. KEESLER.MERGE). Table 4 describes records 1 and 2, personal data, while Table 5 describes records 3-99, ECAT data. A sample case of the merged data analysis file appears in Appendix C. It may be beneficial to follow along with these data when reviewing the field descriptions in Tables 4 and 5.

#### Raw ECAT Files

Table 6 provides a description of the 93-record Version 2.0 ECAT file for examinees who took ECAT at the beginning of the study. For example, all Keesler examinees through 11 March 1991 completed ECAT Version 2.0, and the filename for this data is KEESECAT2.FUL93. A sample case of the Version 2.0 ECAT appears in Appendix D. It may be beneficial to follow along with these data when reviewing the field descriptions in Table 6.

Table 7 provides a description of all 97-record versions of ECAT administered to examinees at the end of the study. For example, all Keesler examinees after 11 March 1991 completed ECAT Version 5.0, and the filename for this data is KEESECAT.FUL97. A sample case is included in Appendix E. It may be beneficial to follow along with these data when reviewing the field descriptions in Table 7.

# Table 4. PERSONNEL RECORD DATA MERGED DATA ANALYSIS FILE (Line Numbers 01-02)

	(2)1110	Trumbers of 62)	
line (	i1 Di	emographic/Merge Sta	tus Data 📗
	. –		APP CONTRACTOR OF THE PROPERTY
001111401	FORMAT	DESCRIPTION	VALID RANGES, VALUES
COLUMN	I9	Social Security Number	DIGITS
01-09	A15	Last Name	ALPHA
10-24	A10	First Name	ALPHA
25-34		Middle Initial	ALPHA
35	A1	*****	DIGITS
36-40	15	Zip Code Citizenship Code	For Keesler AFB the
41-44	A4	Citizenship Code	following codes apply:
			USA = United States
			UK = United Kingdom
			or First four characters
			of native country
			For Ft. Knox, Ft. Sill, and
			Ft. Benning the following
			codes apply:
			AD=US National (non-citz.)
			AY=US National (non-citz.)
			CA=US Citizen (native)
		·	CB=US Citizen
			(naturalized parents)
			CC=US Citizen Born
			Outside Continental USA
	·		CD=Naturalized US Citizen
			CY=US Citizen (other)
			NY=Non-US Citizen
			NZ=Non-US Citizen
			ZD=Non-US Citizen
45	A1	Gender	M=Male
46	A1	Population Group	C=Caucasian
1			M=Asian
			N=Black
			R=American Indian
			X=Other
47	A1	Ethnic Group	(See Appendix A)
48	11	Merge Status Flag	A=All Data Present
	"		B=Personal Data Missing
			E=ECAT Data Missing
			F=ECAT and Personal Data
			Missing
			Missing

Line 0	2 M	litary Occupational Qu	ualification Data
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-06	3(12)	Date of Birth (YYMMDD)	Year=00 to 99
			Month=01 to 12
		·	Day=01 to 31
07-08	12	Years of Education	01-18
09	A1	Achieved Level of Education	(See Appendix B)
10-12	АЗ	Pre-enlistment ASVAB Form	11-19 followed by A, B, or C or 01C or 02C
13-14	12	Pre-enlistment GS Raw Score	00 to 25
15-16	12	Pre-enlistment AR Raw Score	00 to 30
17-18	12	Pre-enlistment WK Raw Score	00 to 35
19-20	12	Pre-enlistment PC Raw Score	00 to 15
21-22	12	Pre-enlistment NO Raw Score	00 to 50
23-24	12	Pre-enlistment CS Raw Score	00 to 84
25-26	12	Pre-enlistment AS Raw Score	00 to 25
27-28	12	Pre-enlistment MK Raw Score	00 to 25
29-30	12	Pre-enlistment MC Raw Score	00 to 25
31-32	12	Pre-enlistment El Raw Score	00 to 20
33-34	12	Pre-enlistment VE Raw Score	00 to 50
35-40	3(12)	Pre-enlistment ASVAB Date	Year=00 to 99
		(YYMMDD)	Month=01 to 12
			Day=01 to 31
41-42	12	AFQT Percentile Score	00 to 99
43-45	АЗ	Military Occupational Specialty Code	For Keesler AFB:
			272=Air Traffic Controller
			732=Personnel Specialist
1			For Ft. Sill:
]			13F=Artillery Specialist
]			For Ft. Knox:
1			19K=M1 Tank Crewman
			For Ft. Benning:
			11H=Tow Missle Specialist
46	A1	Military Enlisted Rank	For Ft. Sill & Ft. Benning
			1=Basic Recruit
			For Ft. Knox:
			0=Private
			For Keesler AFB:
			3=Basic Recruit
47	A1	Military Skill Qualifications	0 = No additional skill qual.
48-49	12	MEPS Identification Code	00 to 99

Table 5. ECAT - MERGED DATA ANALYSIS FILE (Line Numbers 03 - 99)

Section: SEQUENTIAL MEMORY (Line Numbers 03-13)

Line Num	ber 03 <b></b> f	SM] Subtest Personal Data	ARCH CONTRACTOR
COLUMN	<b>FORMAT</b>	DESCRIPTION	VALID RANGES, VALUES
01-09	19	Social Security Number	DIGITS
11-13	F3.1	ECAT System Version Number	5.0,4.0,3.5,3.0,2.0
15-20	16	ECAT System Version Date	910307=5.0
			910312=4.0
			910326=3.5
			901203=3.0
			900817=2.0
22-27	16	Birth Date (YYMMDD)	Year = 0099
			Month = 0112
			Day = 0131
29	11	Gender	1 = Male
			2 = Female
31	11	Education Level	1 = College, 1 Yr. or More
			2 = H.S. Graduate
			3 = 9-11 Yrs.
			4 = 8 Yrs. or Less
			5 = 12 Yrs. But Didn't
			Graduate
33	11	Language	1 = English
			2 = Spanish
			3 = Chinese
			4 = Other
35	11	Is Examinee Right Handed?	1 = Yes
			2 = No
37-39	F3.1	SM Software Version	0.0=ECAT Ver.2.0
			1.1=ECAT Ver.3.0 - 5.0
41-44	14	Instruction Time (in seconds)	0 to 9999, -1 = Missing
46-49	14	Test Time (in seconds)	0 to 9999, -1 = Missing
51-52	12	Total "Jumps" (Quick Answers)	0 to 35, -1 = Missing

	ers 04-12	[SM] Item Data			
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES		
	•				
01-05	15	Item Response for SM Item 1	DIGITS, 99999 = Missing		
07-13	F7.3	Item 1 Response Latency (seconds)	0.000 to 999.999 -1.000 = Missing		
45.46	12	Number of Digits Correct - Item 1	0 to 5, -1 = Missing		
15-16 17-20	A4	Separating Blanks	BLANK		
21-25	15	Item Response for SM Item 2	DIGITS, 99999 = Missing		
27-33	F7.3	Item 2 Response Latency (seconds)	0.000 to 999.999		
27-00	17.0	tion 2 hospense Edichey (seesing)	-1.000 = Missing		
35-36	12	Number of Digits Correct - Item 2	0 to 5, -1 = Missing		
37-40	A4	Separating Blanks	BLANK		
41-45	15	Item Response for SM Item 3	DIGITS, 99999 = Missing		
47-53	F7.3	Item 3 Response Latency (seconds)	0.000 to 999.999		
			-1.000 = Missing		
55-56	12	Number of Digits Correct - Item 3	0 to 5, -1 = Missing		
57-60	A4	Separating Blanks	BLANK		
61-65	15	Item Response for SM Item 4	DIGITS, 99999 = Missing		
67-73	F7.3	Item 4 Response Latency (seconds)	0.000 to 999.999		
			-1.000 = Missing		
75-76	12	Number of Digits Correct - Item 4	0 to 5, -1 = Missing		
Line Normal		M] Subtest Summary			
Title Mutiti	oer 19 Ic	ing audiest adminiary			
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES		
01-07	F7.3	Average Item Response Latency	0.000 to 999.999		
			-1.000 = Missing		
09-15	F7.3	Proportion of Digits Entered Correctly	0.000 to 1.000		
	-		-1.000 = Missing		
17-23	F7.3	Proportion of Digits Attempted	0.000 to 1.000		
05.04	F7.0	Dramautian of All Chi Colatest Itama with	-1.000 = Missing		
25-31	F7.3	Proportion of All SM Subtest Items with 5 Digits Correct	-1.000 = Missing		
		J Digita Confect	1-1.000 - MIDSHING		

Table 5. ECAT - MERGED DATA ANALYSIS FILE Section: SPATIAL REASONING (Line Numbers 14-23)

Line Num	ber 14 - [	SR] Subtest Personal Data	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-09	19	Social Security Number	DIGITS
11-13	F3.1	ECAT System Version Number	5.0,4.0,3.5,3.0,2.0
15-20	16	ECAT System Version Date	910307=5.0
		•	910312=4.0
			910326=3.5
			901203=3.0
			900817=2.0
22-27	16	Birth Date (YYMMDD)	Year = 0099
			Month = 0112
			Day = 0131
29	11	Gender	1 = Male
		·	2 = Female
31	11	Education Level	1 = College, 1 Yr. or More
			2 = H.S. Graduate
			3 = 9-11 Yrs.
			4 = 8 Yrs. or Less
			5 = 12 Yrs. But Didn't
			Graduate
33	11	Language	1 = English
			2 = Spanish
<b>.</b>			3 = Chinese
			4 = Other
35	11	Is Examinee Right Handed?	1 = Yes
			2 = No
37-39	F3.1	SR Software Version	0.0=ECAT Ver.2.0
			2.2=ECAT Ver.3.0 - 5.0
41-44	14	Instruction Time (in seconds)	0 to 9999, -1 = Missing
46-49	14	Test Time (in seconds)	0 to 9999, -1 = Missing
51-52	12	Total "Jumps" (Quick Answers)	0 to 35, -1 = Missing

	bers 15-22	- [SR] Item Data	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTES:	contains 4 to BLANKS, LIN	m contains 3 fields. Each test item is separated est items except for LINE 22 which contains 2 test ISS 15-22 contain SR Item Data for SR Subtest is given below as an example.	st items and 4 trailing
01-02	2	Item Response for SR Item 1	1 to 5, -1 = Missing
04-10	F7.3	Item 1 Response Latency (seconds)	0.000 to 999.999 -1.000 = Missing
12-13	12	Item Accuracy for SR Item 1	0 = Incorrect, 1 = Correct, -1 = Missing
14-17	A4	Separating Blanks	BLANK
18-19	12	Item Response for SR Item 2	1 to 5, -1 = Missing
21-27	F7.3	Item 2 Response Latency (seconds)	0.000 to 999.999 -1.000 = Missing
29-30	12	Item Accuracy for SR Item 2	0 = Incorrect, 1 = Correct, -1 = Missing
31-34	A4	Separating Blanks	BLANK
35-36	12	Item Response for SR Item 3	1 to 5, -1 = Missing
38-44	F7.3	Item 3 Response Latency (seconds)	0.000 to 999.999 -1.000 = Missing
46-47	12	Item Accuracy for SR Item 3	0 = Incorrect, 1 = Correct, -1 = Missing
48-51	A4	Separating Blanks	BLANK
52-53	12	Item Response for SR Item 4	1 to 5, -1 = Missing
55-61	F7.3	Item 4 Response Latency (seconds)	0.000 to 999.999 -1.000 = Missing
63-64	12	Item Accuracy for SR Item 4	0 = Incorrect, 1 = Correct, -1 = Missing
Line Num	ber 23 [S	6F] Subtest Summary	
COLUMN	EODMAT	DESCRIPTION	VALID RANGES, VALUES
01-07	FORMAT F7.3	Arithmetic Mean Item Response	0.000 to 999.999
01-07	17.5	Latency	-1.000 = Missing
09-15	F7.3	Proportion of all Subtest Items Correct	0.000 to 1.000 -1.000 = Missing
17-23	F7.3	Proportion of all Subtest Items Attempted	0.000 to 1.000 -1.000 = Missing

Table 5. ECAT - MERGED DATA ANALYSIS FILE Section: INTEGRATING DETAILS (Line Numbers 24-45)

Line Num	ber 24 [	ID] Subtest Personal Data	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-09	19	Social Security Number	DIGITS
11-13	F3.1	ECAT System Version Number	5.0,4.0,3.5,3.0,2.0
15-20	16	ECAT System Version Date	910307=5.0
		·	910312=4.0
			910326=3.5
1			901203=3.0
			900817=2.0
22-27	16	Birth Date (YYMMDD)	Year = 0099
			Month = 0112
			Day = 0131
29	11	Gender	1 = Male
		·	2 = Female
31	11	Education Level	1 = College, 1 Yr. or More
			2 = H.S. Graduate
			3 = 9-11 Yrs.
			4 = 8 Yrs. or Less
			5 = 12 Yrs. But Didn't
			Graduate
33	l1	Language	1 = English
			2 = Spanish
1			3 = Chinese
			4 = Other
35		Is Examinee Right Handed?	1 = Yes
		·	2 = No
37-39	F3.1	ID Software Version	0.0=ECAT Ver.2.0
			2.2=ECAT Ver.3.0,4.0
			3.0=ECAT Ver.5.0,3.5
41-44	14	Instruction Time (in seconds)	0 to 9999, -1 = Missing
46-49	14	Test Time (in seconds)	0 to 9999, -1 = Missing
51-52	12	Total Quick Response Flags	0 to 80, -1 = Missing

Line Num	bers 25-44	[ID] Item Data	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTES:	contains 2 to	em contains 5 fields. Each test item is separated est items. Lines 25-44 contain ID Item data for II test items are given below as examples.	by 5 BLANKS. Each line C Subtest Items 1 through 40.
01-02	12	Item #01 Scoring	0 = Incorrect 1 = Correct -1 = Missing
04-10	F7.3	Component Response Latency (Seconds looking at components)	0.000 to 999.999 -1.000 = Missing
12-13	12	Quick Response Warning	0 = OK 1 = Warned -1 = Missing
15-21	F7.3	Decision Response Latency (Seconds deciding correct shape)	0.000 to 999.999 -1.000 = Missing
23-24	12	Quick Response Warning	0 = OK 1 = Warned -1 = Missing
25-29	A5	Separating Blanks	BLANK
30-31	12	Item #02 Scoring	0 = Incorrect 1 = Correct -1 = Missing
33-39	F7.3	Component Response Latency (Seconds looking at components)	0.000 to 999.999 -1.000 = Missing
41-42	12	Quick Response Warning	0 = OK 1 = Warned -1 = Missing
44-50	F7.3	Decision Response Latency (Seconds deciding correct shape)	0.000 to 999.999 -1.000 = Missing
52-53	12	Quick Response Warning	0 = OK 1 = Warned -1 = Missing
54	A1	Trailing Blank	BLANK

Line Numb	per 45 — [l	D] Subtest Summary	
COLUMNI	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01	11	Block Administration Order	1=Block Order 1,2,3,4 2=Block Order 2,1,4,3 3=Block Order 4,3,1,2
03-09	F7.3	Geometric Mean Component	4=Block Order 4,3,2,1 0.000 to 999.999
11-17	F7.3	Response Latency Geometric Mean Decision Response Latency	-1.000 = Missing 0.000 to 999.999 -1.000 = Missing
19-25	F7.3	Proportion of All Subtest Items Correct	0.000 to 1.000 -1.000 = Missing
27-33	F7.3	Proportion of all Subtest Items Attempted	0.000 to 1.000 -1.000 = Missing

Table 5. ECAT - MERGED DATA ANALYSIS FILE Section: ASSEMBLING OBJECTS (Line Numbers 46-55)

Line Num	iber 46 [	AO] Subtest Personal Data	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-09	19	Social Security Number	DIGITS
11-13	F3.1	ECAT System Version Number	5.0,4.0,3.5,3.0,2.0
15-20	16	ECAT System Version Date	910307=5.0
			910312=4.0
			910326=3.5
			901203=3.0
			900817=2.0
22-27	16	Birth Date (YYMMDD)	Year = 0099
			Month = 0112
			Day = 0131
29	11	Gender	1 = Male
			2 = Female
31	<b>I</b> 1	Education Level	1 = College, 1 Yr. or More
			2 = H.S. Graduate
			3 = 9-11 Yrs.
			4 = 8 Yrs. or Less
İ			5 = 12 Yrs. But Didn't
			Graduate
33	11	Language	1 = English
			2 = Spanish
	•		3 = Chinese
	•		4 = Other
35	11	Is Examinee Right Handed?	1 = Yes
			2 = No
37-39	F3.1	AO Software Version	0.0=ECAT Ver.2.0
		Landan Tara (la assessa)	2.1=ECAT Ver.3.0 - 5.0
41-44	14	Instruction Time (in seconds)	0 to 9999, -1 = Missing
46-49	14	Test Time (in seconds)	0 to 9999, -1 = Missing
51-52	12	Total "Jumps" (Quick Answers)	0 to 32, -1 = Missing

	/ (COTILII		
Line Numi	pers 47-54	[AO] Item Data	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTES:	Each test iter	m contains 3 fields. Each test item is separated b	y 4 BLANKS. Each
	line contains	4 test items. Lines 47-54 contain AO Item Data for	or AO Subtest Items
	1 through 32	. The first four AO Subtest Items are given below	as examples.
01-02	12	Item Response for AO Item 1	1 to 4, -1 = Missing
04-10	F7.3	Item 1 Response Latency (seconds)	0.000 to 999.999
			-1.000 = Missing
12-13	12	Item Accuracy for AO Item 1	0 = Incorrect, 1 = Correct,
		a di Bianta	-1 = Missing BLANK
14-17	A4	Separating Blanks	1 to 4, -1 = Missing
18-19	12	Item Response for AO Item 2	0.000 to 999.999
21-27	F7.3	Item 2 Response Latency (seconds)	-1.000 = Missing
00.00	12	Item Accuracy for AO Item 2	0 = Incorrect, 1 = Correct,
29-30	12	Rem Accuracy for Ac Item 2	-1 = Missing
31-34	A4	Separating Blanks	BLANK
35-36	12	Item Response for AO Item 3	1 to 4, -1 = Missing
38-44	F7.3	Item 3 Response Latency (seconds)	0.000 to 999.999
30-44	17.0	nom o morpones and any (extra sy	-1.000 = Missing
46-47	12	Item Accuracy for AO Item 3	0 = Incorrect, 1 = Correct,
1 -07	"-		-1 = Missing
48-51	A4	Separating Blanks	BLANK
52-53	12	Item Response for AO Item 4	1 to 4, -1 = Missing
55-61	F7.3	Item 4 Response Latency (seconds)	0.000 to 999.999
33-01	17.5	non triopones and the	-1.000 = Missing
63-64	12	Item Accuracy for AO Item 4	0 = Incorrect, 1 = Correct,
00-04			-1 = Missing
			1928
Line Num	ner 55 [/	(O] Subtest Summary	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-07	F7.3	Arithmetic Mean Item Response	0.000 to 999.999
		Latency	-1.000 = Missing
09-15	F7.3	Proportion of all Subtest Items Correct	0.000 to 1.000
			-1.000 = Missing
17-23	F7.3	Proportion of all Subtest Items	0.000 to 1.000
		Attempted	-1.000 = Missing

Table 5. ECAT - MERGED DATA ANALYSIS FILE Section: ORIENTATION (Line Numbers 56-63)

Line Num	iber 55 [	OR] Subtest Personal Data	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-09	19	Social Security Number	DIGITS
11-13	F3.1	ECAT System Version Number	5.0,4.0,3.5,3.0,2.0
15-20	16	ECAT System Version Date	910307=5.0
			910312=4.0
			910326=3.5
			901203=3.0
			900817=2.0
22-27	16	Birth Date (YYMMDD)	Year = 0099
			Month = 0112
			Day = 0131
29	11	Gender	1 = Male
			2 = Female
31	. 11	Education Level	1 = College, 1 Yr. or More
			2 = H.S. Graduate
			3 = 9-11 Yrs.
			4 = 8 Yrs. or Less
			5 = 12 Yrs. But Didn't
			Graduate
33	11	Language	1 = English
			2 = Spanish
			3 = Chinese
0.5		la Evansia a Biokt Handado	4 = Other
35	11	Is Examinee Right Handed?	1 = Yes
37-39	F3.1	OB Settuere Version	2 = No
3/-38	F3.1	OR Software Version	0.0=ECAT Ver.2.0
44.44	14	Instruction Time (in econode)	2.1=ECAT Ver.3.0 - 5.0
41-44 46-49	14	Instruction Time (in seconds)	0 to 9999, -1 = Missing
46-49 51-52	14 12	Test Time (in seconds)	0 to 9999, -1 = Missing
51-52	12	Total "Jumps" (Quick Answers)	0 to 24, -1 = Missing

Table	(COITUI	iueu)	
Line Numi	pers 57-62	[OR] Item Data	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTES:	Each test iter	n contains 3 fields. Each test item is separated b 4 test items. Lines 57-62 contain OR Item Data fo . The first four OR Subtest Items are given below	or OR Subtest Items  v as examples.
01-02	12	Item Response for OR Item 1	1 to 5, -1 = Missing
04-10	F7.3	Item 1 Response Latency (seconds)	0.000 to 999.999 -1.000 = Missing
12-13	. 12	Item Accuracy for OR Item 1	0 = Incorrect, 1 = Correct, -1 = Missing
14-17	A4	Separating Blanks	BLANK
18-19	12	Item Response for OR Item 2	1 to 5, -1 = Missing
21-27	F7.3	Item 2 Response Latency (seconds)	0.000 to 999.999 -1.000 = Missing
29-30	12	Item Accuracy for OR Item 2	0 = Incorrect, 1 = Correct, -1 = Missing
31-34	A4	Separating Blanks	BLANK
35-36	12	Item Response for OR Item 3	1 to 5, -1 = Missing
38-44	F7.3	Item 3 Response Latency (seconds)	0.000 to 999.999 -1.000 = Missing
46-47	12	Item Accuracy for OR Item 3	0 = Incorrect, 1 = Correct, -1 = Missing
48-51	A4	Separating Blanks	BLANK
52-53	12	Item Response for OR Item 4	1 to 5, -1 = Missing
55-61	F7.3	Item 4 Response Latency (seconds)	0.000 to 999.999
00.01		, ,	-1.000 = Missing
63-64	12	Item Accuracy for OR Item 4	0 = Incorrect, 1 = Correct, -1 = Missing
Line Num	ber 63 – [C	OR] Subtest Summary	and the second
			L VALID DANCES VALUES
COLUMN		DESCRIPTION	VALID RANGES, VALUES 0.000 to 999.999
01-07	F7.3	Arithmetic Mean Item Response	1.000 to 999.999
	5-0	Latency	0.000 to 1.000
09-15	F7.3	Proportion of all Subtest Items Correct	-1.000 = Missing
47.00	F7.0	Proportion of all Subtest Items	0.000 to 1.000
17-23	F7.3	Proportion of all Subtest Items Attempted	-1.000 = Missing

Table 5. ECAT - MERGED DATA ANALYSIS FILE Section: MENTAL COUNTERS (Line Numbers 64-75)

Line Num	ber 64 [	MC] Subtest Persoant Data	Page Control
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-09	19	Social Security Number	DIGITS
11-13	F3.1	ECAT System Version Number	5.0,4.0,3.5,3.0,2.0
15-20	16	ECAT System Version Date	910307=5.0
			910312=4.0
			910326=3.5
			901203=3.0
			900817=2.0
22-27	16	Birth Date (YYMMDD)	Year = 0099
			Month = 0112
			Day = 0131
. 29	11	Gender	1 = Male
			2 = Female
31	11	Education Level	1 = College, 1 Yr. or More
			2 = H.S. Graduate
			3 = 9-11 Yrs.
			4 = 8 Yrs. or Less
			5 = 12 Yrs. But Didn't
			Graduate
33	11	Language	1 = English
			2 = Spanish
			3 = Chinese
			4 = Other
35	11	Is Examinee Right Handed?	1 = Yes
			2 = No
37-39	F3.1	MC Software Version	0.0=ECAT Ver.2.0
			2.1=ECAT Ver.3.0 - 5.0
41-44	14	Instruction Time (in seconds)	0 to 9999, -1 = Missing
46-49	14	Test Time (in seconds)	0 to 9999, -1 = Missing
51-52	12	Total "Jumps" (Quick Answers)	0 to 35, -1 = Missing

lable 5	(contin	iuea)	
Line Numi	pera 65-74	[MC] Item Data	and the same of th
	FORMATI	DESCRIPTION	VALID RANGES, VALUES
COLUMN	FORMAT	DESCRIPTION.	
NOTES:	line contains	m contains 3 fields. Each test item is separated b 4 test items. Lines 65-74 contain MC Item Data for The first four MC Subtest Items are given below	or MC Subtest Items
01-02	2	Item Response for MC Item 1	1 to 4, -1 = Missing
04-10	F7.3	Item 1 Response Latency (seconds)	0.000 to 999.999
04.10			-1.000 = Missing
12-13	12	Item Accuracy for MC Item 1	0 = Incorrect, 1 = Correct, -1 = Missing
14-17	A4	Separating Blanks	BLANK
18-19	12	Item Response for MC Item 2	1 to 4, -1 = Missing
21-27	F7.3	Item 2 Response Latency (seconds)	0.000 to 999.999
		•	-1.000 = Missing
29-30	12	Item Accuracy for MC Item 2	0 = Incorrect, 1 = Correct,
20 00		•	-1 = Missing
31-34	A4	Separating Blanks	BLANK
35-36	12	Item Response for MC Item 3	1 to 4, -1 = Missing
38-44	F7.3	Item 3 Response Latency (seconds)	0.000 to 999.999
00 11			-1.000 = Missing
46-47	12	item Accuracy for MC Item 3	0 = Incorrect, 1 = Correct,
70 11		,	-1 = Missing
48-51	A4	Separating Blanks	BLANK
52-53	12	Item Response for MC Item 4	1 to 4, -1 = Missing
55-61	F7.3	Item 4 Response Latency (seconds)	0.000 to 999.999
55-01	17.0	The state of the s	-1.000 = Missing
63-64	12	Item Accuracy for MC Item 4	0 = Incorrect, 1 = Correct,
03-04	12	l l	-1 = Missing
***************************************			
Line Norm	har 75 _ ft	MC] Subtest Summary	
THIS HUIL		,	
COLUMN	II FORMAT	T DESCRIPTION	VALID RANGES, VALUES
01-07	F7.3	Arithmetic Mean Item Response	0.000 to 999.999
01-07	1	Latency	-1.000 = Missing
09-15	F7.3	Proportion of all Subtest Items Correct	0.000 to 1.000
55.5	1		-1.000 = Missing
17-23	F7.3	Proportion of all Subtest Items	0.000 to 1.000
		Attempted	-1.000 = Missing

Table 5. ECAT - MERGED DATA ANALYSIS FILE Section: TARGET IDENTIFICATION (Line Numbers 76-87)

Line Num	ber 76 IT	D] Subtest Personal Data	
		And the State of t	Market and the second of the second
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-09	19	Social Security Number	DIGITS
11-13	F3.1	ECAT System Version Number	5.0,4.0,3.5,3.0,2.0
15-20	16	ECAT System Version Date	910307=5.0
			910312=4.0
			910326=3.5
			901203=3.0
			900817=2.0
22-27	16	Birth Date (YYMMDD)	Year = 0099
			Month = 0112
			Day = 0131
29	. 11	Gender	1 = Male, 2 = Female
31	i1	Education Level	1 = College, 1 Yr. or More
			2 = H.S. Graduate
			3 = 9-11 Yrs.
			4 = 8 Yrs. or Less
			5 = 12 Yrs. But Didn't
			Graduate
33	11	Language	1 = English
		·	2 = Spanish
			3 = Chinese
			4 = Other
35	11	Is Examinee Right Handed?	1 = Yes, 2 = No
38-43	3(12)	Test Date (YYMMDD)	YY=0099, MM=0112,
4= ==	0.40	T T	DD=0131
45-50	3(12)	Test Time (HHMMSS)	HH=0023, MM=0059,
			SS=0059
52-55	F4.1	TID Software Version	0.0=ECAT Ver.2.0
57.00	10	Instruction Time (in seconds)	10.1=ECAT Ver.3.0 - 5.0
57-62	16	Instruction Time (in seconds)	0 to 999999, -1 = Missing
64-69	16	Test Time (in seconds)	0 to 999999, -1 = Missing
71-74	14	Pedestal Serial Number	1000 to 1999
76-80	F5.3	Graphics Screen Aspect Ratio	1.000

lable 5			
Line Num	рег77 — ∏	ID] Item ID Numbers (For Items #01	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-03	13	Item ID for Item #01	901, Missing = 999
05-07	13	Item ID for Item #02	902, Missing = 999
09-11	13	Item ID for Item #03	903, Missing = 999
13-15	13	Item ID for Item #04	001, Missing = 999
17-19	13	Item ID for Item #05	002, Missing = 999
21-23	13	Item ID for Item #06	003, Missing = 999
25-27	13	Item ID for Item #07	005, Missing = 999
29-31	13	Item ID for Item #08	006, Missing = 999
33-35	13	Item ID for Item #09	007, Missing = 999
37-39	13	Item ID for Item #10	008, Missing = 999
41-43	13	Item ID for Item #11	009, Missing = 999
45-47	13	Item ID for Item #12	011, Missing = 999
49-51	13	Item ID for Item #13	012, Missing = 999
53-55	13	Item ID for Item #14	013, Missing = 999
57-59	13	Item ID for Item #15	014, Missing = 999 016, Missing = 999
61-63	13	Item ID for Item #16	018, Missing = 999
65-67	13	Item ID for Item #17	019, Missing = 999
69-71	13	Item ID for Item #18	022, Missing = 999
73-75	13 13	Item ID for Item #19 Item ID for Item #20	023, Missing = 999
77-79	1 1 2	LITAM II I TOT ITAM # 20	1023. MISSING - 333
11-13	13	Rem 10 for Rem #20	G_G,
***************************************		[ID] Item ID Numbers (For Items #21	
Line Num		[ID] Item ID Numbers (For Items #21	-#39) VALID RANGES, VALUES
Line Num	ber 78 – []	DESCRIPTION  Item ID Numbers (For Items #21  DESCRIPTION  Item ID for Item #21	VALID RANGES, VALUES 024, Missing = 999
Line Num	ber 78 → []	DESCRIPTION  Item ID for Item #21  Item ID for Item #21  Item ID for Item #22	#39)  VALID RANGES, VALUES  024, Missing = 999  026, Missing = 999
Line Num COLUMN 01-03	FORMAT  13 13 13	DESCRIPTION  Item ID for Item #21  Item ID for Item #21  Item ID for Item #22  Item ID for Item #23	VALID RANGES, VALUES  024, Missing = 999  026, Missing = 999  027, Missing = 999
COLUMN 01-03 05-07 09-11 13-15	FORMAT  13  13  13  13	DESCRIPTION  Item ID for Item #21  Item ID for Item #22  Item ID for Item #22  Item ID for Item #23  Item ID for Item #24	#39)  VALID RANGES, VALUES  024, Missing = 999 026, Missing = 999 027, Missing = 999 028, Missing = 999
COLUMN 01-03 05-07 09-11 13-15 17-19	FORMAT    13   13   13   13   13   13   13	DESCRIPTION  Item ID for Item #21  Item ID for Item #22  Item ID for Item #23  Item ID for Item #24  Item ID for Item #24  Item ID for Item #25	VALID RANGES, VALUES  024, Missing = 999  026, Missing = 999  027, Missing = 999  028, Missing = 999  029, Missing = 999
COLUMN 01-03 05-07 09-11 13-15 17-19 21-23	FORMAT    3   13   13   13   13   13   13	DESCRIPTION  Item ID for Item #21  Item ID for Item #22  Item ID for Item #23  Item ID for Item #24  Item ID for Item #25  Item ID for Item #25  Item ID for Item #26	#39)  VALID RANGES, VALUES  024, Missing = 999 026, Missing = 999 027, Missing = 999 028, Missing = 999 029, Missing = 999 030, Missing = 999
COLUMN 01-03 05-07 09-11 13-15 17-19 21-23 25-27	FORMAT  13 13 13 13 13 13 13 13	DESCRIPTION  Item ID for Item #21  Item ID for Item #22  Item ID for Item #23  Item ID for Item #24  Item ID for Item #25  Item ID for Item #25  Item ID for Item #26  Item ID for Item #27	#39)  VALID RANGES, VALUES  024, Missing = 999 026, Missing = 999 027, Missing = 999 028, Missing = 999 029, Missing = 999 030, Missing = 999 031, Missing = 999
COLUMN 01-03 05-07 09-11 13-15 17-19 21-23 25-27 29-31	FORMAT    13   13   13   13   13   13   13   1	DESCRIPTION  Item ID for Item #21  Item ID for Item #22  Item ID for Item #23  Item ID for Item #24  Item ID for Item #25  Item ID for Item #26  Item ID for Item #27  Item ID for Item #28	VALID RANGES, VALUES  024, Missing = 999 026, Missing = 999 027, Missing = 999 028, Missing = 999 029, Missing = 999 030, Missing = 999 031, Missing = 999 033, Missing = 999
COLUMN 01-03 05-07 09-11 13-15 17-19 21-23 25-27 29-31 33-35	FORMAT  13 13 13 13 13 13 13 13 13	DESCRIPTION  Item ID for Item #21  Item ID for Item #22  Item ID for Item #23  Item ID for Item #24  Item ID for Item #25  Item ID for Item #26  Item ID for Item #27  Item ID for Item #28  Item ID for Item #28  Item ID for Item #29	VALID RANGES, VALUES  024, Missing = 999 026, Missing = 999 027, Missing = 999 028, Missing = 999 029, Missing = 999 030, Missing = 999 031, Missing = 999 033, Missing = 999 034, Missing = 999
COLUMN 01-03 05-07 09-11 13-15 17-19 21-23 25-27 29-31 33-35 37-39	FORMAT  13 13 13 13 13 13 13 13 13 13	DESCRIPTION  Item ID for Item #21  Item ID for Item #22  Item ID for Item #23  Item ID for Item #24  Item ID for Item #25  Item ID for Item #25  Item ID for Item #26  Item ID for Item #27  Item ID for Item #28  Item ID for Item #28  Item ID for Item #29  Item ID for Item #30	VALID RANGES, VALUES  024, Missing = 999 026, Missing = 999 027, Missing = 999 028, Missing = 999 029, Missing = 999 030, Missing = 999 031, Missing = 999 033, Missing = 999 034, Missing = 999 036, Missing = 999
COLUMN 01-03 05-07 09-11 13-15 17-19 21-23 25-27 29-31 33-35 37-39 41-43	FORMAT    3   13   13   13   13   13   13   13	DESCRIPTION  Item ID for Item #21  Item ID for Item #22  Item ID for Item #23  Item ID for Item #24  Item ID for Item #25  Item ID for Item #26  Item ID for Item #27  Item ID for Item #28  Item ID for Item #28  Item ID for Item #29  Item ID for Item #30  Item ID for Item #31	VALID RANGES, VALUES  024, Missing = 999 026, Missing = 999 027, Missing = 999 028, Missing = 999 029, Missing = 999 030, Missing = 999 031, Missing = 999 033, Missing = 999 034, Missing = 999 036, Missing = 999 038, Missing = 999
COLUMN 01-03 05-07 09-11 13-15 17-19 21-23 25-27 29-31 33-35 37-39 41-43 45-47	FORMAT  13 13 13 13 13 13 13 13 13 13 13 13	DESCRIPTION  Item ID for Item #21  Item ID for Item #22  Item ID for Item #23  Item ID for Item #24  Item ID for Item #25  Item ID for Item #26  Item ID for Item #27  Item ID for Item #28  Item ID for Item #29  Item ID for Item #30  Item ID for Item #31  Item ID for Item #32	VALID RANGES, VALUES  024, Missing = 999 026, Missing = 999 027, Missing = 999 028, Missing = 999 029, Missing = 999 030, Missing = 999 031, Missing = 999 033, Missing = 999 034, Missing = 999 036, Missing = 999 038, Missing = 999 039, Missing = 999
COLUMN 01-03 05-07 09-11 13-15 17-19 21-23 25-27 29-31 33-35 37-39 41-43 45-47 49-51	FORMAT  13 13 13 13 13 13 13 13 13 13 13 13 13	DESCRIPTION  Item ID for Item #21  Item ID for Item #22  Item ID for Item #23  Item ID for Item #24  Item ID for Item #25  Item ID for Item #26  Item ID for Item #27  Item ID for Item #28  Item ID for Item #28  Item ID for Item #30  Item ID for Item #31  Item ID for Item #32  Item ID for Item #32  Item ID for Item #32  Item ID for Item #33	VALID RANGES, VALUES  024, Missing = 999 026, Missing = 999 027, Missing = 999 028, Missing = 999 029, Missing = 999 030, Missing = 999 031, Missing = 999 033, Missing = 999 034, Missing = 999 036, Missing = 999 038, Missing = 999 039, Missing = 999 040, Missing = 999
COLUMN 01-03 05-07 09-11 13-15 17-19 21-23 25-27 29-31 33-35 37-39 41-43 45-47 49-51 53-55	FORMAT    3   13   13   13   13   13   13   13	DESCRIPTION  Item ID for Item #21  Item ID for Item #22  Item ID for Item #23  Item ID for Item #24  Item ID for Item #25  Item ID for Item #26  Item ID for Item #27  Item ID for Item #28  Item ID for Item #29  Item ID for Item #30  Item ID for Item #31  Item ID for Item #32  Item ID for Item #33  Item ID for Item #33  Item ID for Item #34	VALID RANGES, VALUES  024, Missing = 999 026, Missing = 999 027, Missing = 999 028, Missing = 999 029, Missing = 999 030, Missing = 999 031, Missing = 999 033, Missing = 999 034, Missing = 999 036, Missing = 999 038, Missing = 999 039, Missing = 999 040, Missing = 999 042, Missing = 999
COLUMN 01-03 05-07 09-11 13-15 17-19 21-23 25-27 29-31 33-35 37-39 41-43 45-47 49-51 53-55 57-59	FORMAT  13 13 13 13 13 13 13 13 13 13 13 13 13	DESCRIPTION  Item ID for Item #21  Item ID for Item #22  Item ID for Item #23  Item ID for Item #24  Item ID for Item #25  Item ID for Item #26  Item ID for Item #27  Item ID for Item #28  Item ID for Item #29  Item ID for Item #30  Item ID for Item #31  Item ID for Item #32  Item ID for Item #33  Item ID for Item #34  Item ID for Item #34  Item ID for Item #35	VALID RANGES, VALUES  024, Missing = 999 026, Missing = 999 027, Missing = 999 028, Missing = 999 029, Missing = 999 030, Missing = 999 031, Missing = 999 033, Missing = 999 034, Missing = 999 036, Missing = 999 036, Missing = 999 037, Missing = 999 038, Missing = 999 039, Missing = 999 040, Missing = 999 042, Missing = 999 043, Missing = 999
COLUMN  01-03  05-07  09-11  13-15  17-19  21-23  25-27  29-31  33-35  37-39  41-43  45-47  49-51  53-55  57-59  61-63	FORMAT    3   13   13   13   13   13   13   13	DESCRIPTION  Item ID for Item #21  Item ID for Item #22  Item ID for Item #23  Item ID for Item #24  Item ID for Item #25  Item ID for Item #26  Item ID for Item #27  Item ID for Item #28  Item ID for Item #29  Item ID for Item #30  Item ID for Item #31  Item ID for Item #32  Item ID for Item #33  Item ID for Item #34  Item ID for Item #35  Item ID for Item #35	VALID RANGES, VALUES  024, Missing = 999 026, Missing = 999 027, Missing = 999 028, Missing = 999 029, Missing = 999 030, Missing = 999 031, Missing = 999 033, Missing = 999 034, Missing = 999 036, Missing = 999 038, Missing = 999 039, Missing = 999 040, Missing = 999 040, Missing = 999 042, Missing = 999 043, Missing = 999 044, Missing = 999
COLUMN  01-03  05-07  09-11  13-15  17-19  21-23  25-27  29-31  33-35  37-39  41-43  45-47  49-51  53-55  57-59  61-63  65-67	FORMAT    3   13   13   13   13   13   13   13	DESCRIPTION  Item ID for Item #21  Item ID for Item #22  Item ID for Item #23  Item ID for Item #24  Item ID for Item #25  Item ID for Item #26  Item ID for Item #27  Item ID for Item #28  Item ID for Item #29  Item ID for Item #30  Item ID for Item #31  Item ID for Item #32  Item ID for Item #33  Item ID for Item #34  Item ID for Item #35  Item ID for Item #36  Item ID for Item #37	VALID RANGES, VALUES  024, Missing = 999 026, Missing = 999 027, Missing = 999 028, Missing = 999 029, Missing = 999 030, Missing = 999 031, Missing = 999 033, Missing = 999 034, Missing = 999 036, Missing = 999 038, Missing = 999 039, Missing = 999 040, Missing = 999 040, Missing = 999 042, Missing = 999 043, Missing = 999 044, Missing = 999 045, Missing = 999
COLUMN 01-03 05-07 09-11 13-15 17-19 21-23 25-27 29-31 33-35 37-39 41-43 45-47 49-51 53-55 57-59 61-63	FORMAT    3   13   13   13   13   13   13   13	DESCRIPTION  Item ID for Item #21  Item ID for Item #22  Item ID for Item #23  Item ID for Item #24  Item ID for Item #25  Item ID for Item #26  Item ID for Item #27  Item ID for Item #28  Item ID for Item #29  Item ID for Item #30  Item ID for Item #31  Item ID for Item #32  Item ID for Item #33  Item ID for Item #34  Item ID for Item #35  Item ID for Item #35	VALID RANGES, VALUES  024, Missing = 999 026, Missing = 999 027, Missing = 999 028, Missing = 999 029, Missing = 999 030, Missing = 999 031, Missing = 999 033, Missing = 999 034, Missing = 999 036, Missing = 999 038, Missing = 999 039, Missing = 999 040, Missing = 999 040, Missing = 999 042, Missing = 999 043, Missing = 999 044, Missing = 999

***************************************	/ (0011tii			
Line Numi	oer 79 [T	ID] Item "Hand Used" Indicators (For	items #01-#39)	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES	
NOTE:	NOTE: Each Indicator is one digit, separated by a SPACE			
See Note	39 (I 1)	Which Hand Was Used To Respond?	0 = UNKNOWN 1 = Right Hand 2 = Left hand 9 = Not Answered	
Line Numi	ber 80 — [7	ID] Item Response Accuracy (For iter	ns #01-#39)	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES	
NOTE:	Each Resp	oonse Score is one digit, separated by a	SPACE	
See Note	39 (I 1)	Item response accuracy	0 = Timout 1 = Incorrect 2 = Correct 9 = Not Answered	
Line Numi	ber 81 [7	ID] Item Decision Latencies (For Item	s #01-#15)	
COLUMN	FORMAT.	DESCRIPTION	VALID RANGES, VALUES	
NOTE:	Each Later	ncy takes 4 columns, preceded by a SP	ACE.	
See Note	15 (F4.2)	Decision Seconds (Pressing HOME)	0.00  to  9.99, -1 = Missing	
Line Numi	per 82 — [T	ID] Item Decision Latencies (For Item	s #16-#30)	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES	
NOTE:	Each Later	ncy takes 4 columns, preceded by a SP	ACE.	
See Note	15 (F4.2)	Decision Seconds (Pressing HOME)	0.00 to 9.99, -1 = Missing	
Line Numl	ber 83 — П	ID] Item Decision Latencies (For item		
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES	
NOTE:	Each Later	ncy takes 4 columns, preceded by a SP		
See Note	9 (F4.2)	Decision Seconds (Pressing HOME)	0.00 to 9.99, -1 = Missing	

Table 5 (continued)			
Line Numb	er 84 <b>–</b> [T	ID] Item Response Latencies (For Item	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTE:	Each Later	ncy takes 4 columns, preceded by a SPA	ACE.
See Note	15 (F4.2)	Response Seconds (HOME to RESPONSE Button)	0.00 to 9.99, -1 = Missing
Line Numb	ier 85 – [T	ID] Item Response Latencies (For Item	ns #16-#30)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTE:	Each Later	ncy takes 4 columns, preceded by a SPA	
See Note	15 (F4.2)	Response Seconds (HOME to RESPONSE Button)	0.00 to 9.99, -1 = Missing
Line Numb	oer 86 [T	ID] Item Response Latencies (For Item	ns #31-#39)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTE: Each Latency takes 4 columns, preceded by a SPACE.			
See Note	9 (F4.2)	Response Seconds (HOME to RESPONSE Button)	0.00 to 9.99, -1 = Missing
Line Number 87 — [TID] Subtest Summary			
COLUMNI	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-02	12	Number - Attempted Non-practice Item	00 to 36, -1 = Missing
04-05	12	Number - Correct Non-practice Items	00 to 36, -1 = Missing
07-11	F 5.2	Median Average Correct Decision Time	0.00 to 9.99, -1 = Missing
13-17	F 5.2	Median Average Correct Response	0.00 to 9.99, -1 = Missing
19-25	F 7.3	Time Proportion - Non-practice Responses Correct	0.000 to 1.000, -1 = Missing
27-33	F 7.3	Proportion of Non-practice Items Attempted	0.000 to 1.000, -1 = Missing
35-36	12	Number of Times LT Hand Used	00 to 36, -1 = Missing
38-39	12	Number of Times RT Hand Used	00 to 36, -1 = Missing
41-42	12	Number of Times Unknown Hand	00 to 36, -1 = Missing

Table 5. ECAT - MERGED DATA ANALYSIS FILE Section: ONE-HAND TRACKING (Line Numbers 88-93)

	I. OIL		
Line Num	ber 88 <b>-</b> [	TR1] Subtest Personal Date	
	EODMAT	DESCRIPTION	VALID RANGES, VALUES
	FORMAT		DIGITS TARGES, VALUES
01-09	19	Social Security Number	
11-13	F3.1	ECAT System Version Number	5.0,4.0,3.5,3.0,2.0
15-20	16	ECAT System Version Date	910307=5.0
			910312=4.0
			910326=3.5
			901203=3.0
			900817=2.0
22-27	16	Birth Date (YYMMDD)	Year = 0099
			Month = 0112
			Day = 0131
29	11	Gender	1 = Male, 2 = Female
31	11	Education Level	1 = College, 1 Yr. or More
			2 = H.S. Graduate
			3 = 9-11 Yrs.
			4 = 8 Yrs. or Less
}			5 = 12 Yrs. But Didn't
			Graduate
33	11	Language	1 = English
			2 = Spanish
			3 = Chinese
			4 = Other
35	11	Is Examinee Right Handed?	1 = Yes, 2 = No
38-43	3(12)	Test Date (YYMMDD)	YY=0099, MM=0112,
			DD=0131
45-50	3(12)	Test Time (HHMMSS)	HH=0023, MM=0059,
			SS=0059
52-55	F4.1	TR1 Software Version	0.0=ECAT Ver.2.0
			10.1=ECAT Ver.3.0 - 5.0
57-62	16	Instruction Time (in seconds)	0 to 999999, -1 = Missing
64-69	16	Test Time (in seconds)	0 to 999999, -1 = Missing
71-74	14	Pedestal Serial Number	1000 to 1999
76-80	F5.3	Graphics Screen Aspect Ratio	1.000

	ber 89 – [	(FA1) Item ID Numbers (for Items #01	#20)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-03	13	Item ID for Item #01	901, Missing = 999
05-07	13	Item ID for Item #02	902, Missing = 999
09-11	13	Item ID for Item #03	903, Missing = 999
13-15	13	Item ID for Item #04	801, Missing = 999
17-19	13	Item ID for Item #05	802, Missing = 999
21-23	13	Item ID for Item #06	803, Missing = 999
25-27	13	Item ID for Item #07	001, Missing = 999
29-31	13	Item ID for Item #08	015, Missing = 999
33-35	13	Item ID for Item #09	006, Missing = 999
37-39	13	Item ID for Item #10	008, Missing = 999
41-43	13	Item ID for Item #11	005, Missing = 999
45-47	13	Item ID for Item #12	010, Missing = 999
49-51	13	Item ID for Item #13	017, Missing = 999
53-55	13	Item ID for Item #14	012, Missing = 999
57-59	13	Item ID for Item #15	011, Missing = 999
61-63	13	Item ID for Item #16	009, Missing = 999
65-67	13	Item ID for Item #17	002, Missing = 999
69-71	13	Item ID for Item #18	016, Missing = 999
73-75	13	Item ID for Item #19	018, Missing = 999
77-79	13	Item ID for Item #20	003, Missing = 999
Line Number 90 — [TR1] Item ID Numbers (for Items #21-#24)			
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-03	13	Item ID for Item #21	014, Missing = 999
05-07	13	Item ID for Item #22	007, Missing = 999
09-11	13	Item ID for Item #23	004, Missing = 999
13-15	13	Item ID for Item #24	013, Missing = 999
Line Num	ber 91 <b>–</b> [	[R1] Log-Calculated RMS (for Items #	(01-#15)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTE: Each Log-calculated RMS is 4 digits, separated by a SPACE.			
See Note	15 (14)	LOG*1000+1 of Root Mean Square	0 to 9999, -1 = Missing
355.15.5			

Line Number 92 - [TR1] Calculated RMS (for Items #16-#24)					
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES		
NOTE: Each Log-calculated RMS is 4 digits, separated by a SPACE.					
See Note	9 (1 4)	LOG*1000+1 of Root Mean Square	0 to 9999, -1 = Missing		
	Line Number 93 – [TR1] Subtest Summary				
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES		
01-02	12	JoyStick Used	1 = Right, 2 = Left, -1 = Missing		
04-05	12	Number of 18 Valid (Scored) Items Attempted	00 to 18, -1 = Missing		
07-13	F7.2	Standard Deviation-Avg. LOG*1000 +1 of RMS (Of Valid Items Attempted	0.00 to 999.99, -1.00 = Missing		
15-20	F 6.2	Average RMS Distance Off Target (Of All 24 Subtest Items)	0.00 to 999.99, -1.00 = Missing		
22-25	14	Average LOG*1000+1 of RMS (Of Valid Items Attempted)	0 to 9999, -1 = Missing		

Table 5. ECAT - MERGED DATA ANALYSIS FILE Section: TWO-HAND TRACKING (Line Numbers 94-99)

Ocollon: 1110 11111 111111 (2.11)				
ine Numi	61: 621 <b>-</b> 17	R2] Personal Data	and the second second	
-tile vesiti			Annual Control	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES	
01-09	19	Social Security Number	DIGITS	
11-13	F3.1	ECAT System Version Number	5.0,4.0,3.5,3.0,2.0	
15-20	16	ECAT System Version Date	910307=5.0	
1		•	910312=4.0	
			910326=3.5	
			901203=3.0	
			900817=2.0	
22-27	16	Birth Date (YYMMDD)	Year = 0099	
			Month = 0112	
			Day = 0131	
29	11	Gender .	1 = Male, 2 = Female	
31	11	Education Level	1 = College, 1 Yr. or More	
			2 = H.S. Graduate	
			3 = 9-11 Yrs.	
			4 = 8 Yrs. or Less	
			5 = 12 Yrs. But Didn't	
			Graduate	
33	11	Language	1 = English	
			2 = Spanish	
			3 = Chinese	
			4 = Other	
35	11	Is Examinee Right Handed?	1 = Yes, 2 = No	
38-43	3(12)	Test Date (YYMMDD)	YY=0099, MM=0112,	
	242		DD=0131	
45-50	3(12)	Test Time (HHMMSS)	HH=0023, MM=0059, SS=0059	
52-55	F4.1	TR2 Software Version	0.0=ECAT Ver.2.0	
		Instruction Time (in accords)	10.1=ECAT Ver.3.0 - 5.0	
57-62	16	Instruction Time (in seconds)	0 to 999999, -1 = Missing 0 to 999999, -1 = Missing	
64-69	16	Test Time (in seconds)	1000 to 1999	
71-74	14	Pedestal Serial Number		
76-80	F5.3	Graphics Screen Aspect Ratio	1.000	

Line Num	oer 95 [T	[R2] Item ID Numbers (for Items #01-	#20)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-03	13	Item ID for Item #01	901, Missing = 999
05-07	13	Item ID for Item #02	902, Missing = 999
09-11	13	Item ID for Item #03	903, Missing = 999
13-15	13	Item ID for Item #04	801, Missing = 999
17-19	13	Item ID for Item #05	802, Missing = 999
21-23	13	Item ID for Item #06	803, Missing = 999
25-27	13	Item ID for Item #07	003, Missing = 999
29-31	13	Item ID for Item #08	016, Missing = 999
33-35	13	Item ID for Item #09	013, Missing = 999
37-39	13	Item ID for Item #10	007, Missing = 999
41-43	13	Item ID for Item #11	012, Missing = 999
45-47	13	Item ID for Item #12	006, Missing = 999
49-51	13	Item ID for Item #13	018, Missing = 999
53-55	13	Item ID for Item #14	008, Missing = 999
57-59	13	Item ID for Item #15	002, Missing = 999
61-63	13	Item ID for Item #16	009, Missing = 999
65-67	13	Item ID for Item #17	001, Missing = 999
69-71	13	Item ID for Item #18	011, Missing = 999
73-75	13	Item ID for Item #19	010, Missing = 999
77-79	13	Item ID for Item #20	005, Missing = 999
Line Numl	oer 96 []	R2] Item ID Numbers (for Items #21-	#24)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-03	13	Item ID for Item #21	017, Missing = 999
05-07	13	Item ID for Item #22	014, Missing = 999
09-11	13	Item ID for Item #23	015, Missing = 999
13-15	13	Item ID for Item #24	004, Missing = 999
Line Numi	oer 97 – [T	R2] Calculated RMS (for Items #01-#	(15)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTE: Each Log-calculated RMS is 4 digits, separated by a SPACE.			
See Note	15 (14)	LOG*1000+1 of Root Mean Square	0 to 9999, -1 = Missing

100000	10000		~~~~~~~ <del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>		
Line Num	ber 98 — [	FR2] Calculated RMS (for Items #16-#	24)		
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES		
NOTE:	NOTE: Each Log-calculated RMS is 4 digits, separated by a SPACE.				
See Note	9 (1 4)	LOG*1000+1 of Root Mean Square	0 to 9999, -1 = Missing		
Line Num	ber 99 [	FR2] Subtest Summary			
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES		
01-02	12	Number of 18 Valid (Scored) Items Attempted	00 to 18, -1 = Missing		
04-10	F7.2	Standard Deviation-Avg. LOG*1000 +1 of RMS (Of Valid Items Attempted	0.00 to 999.99, -1.00 = Missing		
12-17	F 6.2	Average RMS Distance Off Target (Of All 24 Subtest Items)	0.00 to 999.99, -1.00 = Missing		
19-22	14	Average LOG*1000+1 of RMS (Of Valid Items Attempted)	0 to 9999, -1 = Missing		

Table 6. ECAT - Version 2.0 (93 records)
Section: SEQUENTIAL MEMORY (Line Numbers 01-14)

OUGHOIN GEGETATION (				
Line Number 01 — [SM] Personal Bata 1				
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES	
01-09	19	Social Security Number	DIGITS	
11-16	3 (12)	BirthDate (YYMMDD)	Year = 0099	
	,	•	Month = 0112	
			Day = 0131	
18	11	Gender	1 = Male	
			2 = Female	
20	11	Education Level	1 = College, 1 Yr or more	
			2 = H.S. Graduate	
			3 = 12 years but did not	
1			graduate	
			4 = 9 - 11 Years	
1			5 = 8 Years or less	
22	11	Language	1 = English	
			2 = Spanish	
			3 = Chinese	
			4 = Tagolog	
			5 = Other	
24	11	Is Examinee Right Handed?	1 = Yes	
			2 = No	
		A CONTRACTOR OF THE PARTY OF TH		
Line Num	leer 02 [	SM) Subtest Times Data - First Half		
			T VALID DANCES VALUES	
	FORMAT	DESCRIPTION	VALID RANGES, VALUES	
02-05	14	Instruction Time in Seconds(First Half)	0 to 9999, -1 = Missing	
07-10	14	Test Time in Seconds(First Half)	0 to 9999, -1 = Missing	
12-13	12	Times Through Instructions(First Half)	0 to 9, -1 = Missing	

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⊔ne Num	ber 03 — [9	SM] Item Response Accuracies (For It	ems:#01-#04)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTES:	Each Accu	racy is two characters: ' ' or '-' and a dig	git followed by a space.
See Note	4(12)	Item Response Accuracy	-1 = Missing 0 = Incorrect 1 = Correct
16-17	12	Sum of Accuracies (#01 - #04)	0 to 4, -1 = Missing
Line Num	ber 04 [1	SM] Item Responses (For Items #01-#	f04)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTES: E	Each Respo	onse is five digits followed by a space.	
See Note	4(15)	Item Response	00000 to 99999, -1 = Missing
-			
Line Num	ber 05 – [	SM] Item Response Accuracies (For It	ems #05-#10)
	ber 05 — [		ems #05-#10)  VALID RANGES, VALUES
COLUMN	FORMAT		VALID RANGES, VALUES
COLUMN	FORMAT	DESCRIPTION	yalid Ranges, values  git followed by a space.  0 = Incorrect 1 = Correct
COLUMN NOTES:	FORMAT	DESCRIPTION  uracy is two characters: ' ' or '-' and a dig	VALID RANGES, VALUES  git followed by a space.  0 = Incorrect
COLUMN NOTES: See Note	FORMAT Each Accu	DESCRIPTION  uracy is two characters: ' ' or '-' and a digitem Response Accuracy	VALID RANGES, VALUES  git followed by a space.  0 = Incorrect 1 = Correct -1 = Missing 0 to 6, -1 = Missing
COLUMN NOTES: See Note 22-23 Line Num	FORMAT Each Accu	DESCRIPTION  uracy is two characters: ' ' or '-' and a discrete Response Accuracy  Sum of Accuracies (#05 - #10)  SMJ Item Responses (For Items #05-4	VALID RANGES, VALUES  git followed by a space.  0 = Incorrect 1 = Correct -1 = Missing 0 to 6, -1 = Missing
COLUMN NOTES: See Note 22-23 Line Num COLUMN	FORMAT  Each Accu  6(I 2)  I 2  Der 06 — [	DESCRIPTION  uracy is two characters: ' ' or '-' and a discrete Response Accuracy  Sum of Accuracies (#05 - #10)  SMJ Item Responses (For Items #05-4	VALID RANGES, VALUES  git followed by a space.  0 = Incorrect 1 = Correct -1 = Missing 0 to 6, -1 = Missing

Table 0	(COHIII	idea)	
Line Num	ber-07 — [	SM] Median Response Times - Conditi	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-07	F 7.3	Median Response Time - Condition 1	0.000 to 999.999,
0, 0.			-1.000 = Missing
10-16	F 7.3	Median Response Time - Condition 2	0.000 to 999.999,
			-1.000 = Missing
		A CONTRACTOR OF THE PROPERTY O	Control of the Contro
Line Num	ber 08 – [	SM] Subtest Times Data - Second Hall	
2011111	FORMAT	DESCRIPTION	VALID RANGES, VALUES
COLUMN	I 4	Instruction Time in Seconds	0 to 9999, -1 = Missing
02-05	14	(Second Half)	
07-10	14	Test Time in Seconds	0 to 9999, -1 = Missing
0/-10	17	(Second Half)	
12-13	12	Times Through Instructions	0 to 9, -1 = Missing
12.0	. –	(Second Half)	
			#44 #60)
Line Num	ber 09 <b></b> [	SM] Item Response Accuracies (For It	rems #11-#20)
	CODMAT	DESCRIPTION	VALID RANGES, VALUES
COLUMN	FORMAT	DESCRIPTION	V/12/3 / J 11/4/20
NOTES:	Each Acc	uracy is two characters: ' ' or '-' and a di	git followed bya space.
	10(10)	Ither Decrees Acouragy	0 = Incorrect
See Note	10(12)	Item Response Accuracy	1 = Correct
			-1 = Missing
34-35	12	Sum of Accuracies (#11 - #20)	0 to 10, -1 = Missing
34-33	12	Currier Accesses (# ** ** == )	
Line Nun	nber 10 —	[SM] Item Responses (For Items #11-	#20)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTES:	Each Res	ponse is five digits, followed by a space	
See Note	10(15)	Item Response	00000 to 99999,
355 .15.6	.5(.5)		-1=Missing

Line Num	ber 11 — [	SM] Item Response Accuracies (For it	ems #21-#35)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTES:	Each Accu	uracy is two characters: ' ' or '-' and a dig	git followed by a space.
See Note	15(I 2)	Item Response Accuracy	-1 = Missing 0 = Incorrect 1 = Correct
49-50	12	Sum of Accuracies (#21 - #35)	0 to 15, -1 = Missing
Line Num	ber 12 [	SM] Item Responses (For Items #21-#	f30)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTES:	Each Resp	oonse is five digits, followed by a space	
See Note	10(I 5)	Item Response	00000 to 99999, -1 = Missing
Line Num	ber 13 – [	SM] Item Responses (For Items #31-#	(35)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTES:	Each Resp	oonse is five digits, followed by a space	
See Note	5(1 5)	Item Response	00000 to 99999, -1 = Missing

Table	(00.1161)	idee)	Company (Company)
Line Num	minel	SMJ Median Response Times - Condit	lons 3 and 4
	FORMAT	DESCRIPTION	VALID RANGES, VALUES
COLUMN	FORMAT		
01-07	F 7.3	Median Response Time - Condition 3	0.000 to 999.999,
			-1.000 = Missing
10-16	F 7.3	Median Response Time - Condition 4	0.000 to 999.999,
10-10			-1.000 = Missing
40.00	F 6.3	Proportion Attempted	0.000 to 1.000,
18-23	F 0.5	1 Toportion Attompted	-1.000 = Missing
		Dunanting Correct	0.000 to 1.000,
25-30	F 6.3	Proportion Correct	
			-1.000 = Missing
32-33	12	Number of Jumps - SM Subtest	0 to 35, -1 = Missing

Table 6. ECAT - Version 2.0 (93 records)
Section: SPATIAL REASONING (Line Numbers 15-22)

Line Number 15= 153) Reisonal Data				
COLUMN	<b>FORMAT</b>	DESCRIPTION	VALID RANGES, VALUES	
01-09	19	Social Security Number	DIGITS	
11-16	3 (12)	BirthDate (YYMMDD)	Year = 0099	
			Month = 0112	
			Day = 0131	
18	11	Gender	1 = Male	
		- Lander Land	2 = Female	
20	11	Education Level	1 = College, 1 Yr or more 2 = H.S. Graduate	
1			3 = 12 years but did not	
			graduate	
			4 = 9 - 11 Years	
1			5 = 8 Years or less	
22	11	Language	1 = English	
	• •		2 = Spanish	
			3 = Chinese	
			4 = Tagolog	
			5 = Other	
24	11	Is Examinee Right Handed?	1 = Yes	
			2 = No	
26-29	14	Instruction Time in Seconds	0 to 9999, -1 = Missing	
31-34	14	Test Time in Seconds	0 to 9999, -1 = Missing	
36-37	12	Number of Jumps for SR Subtest	0 to 35, -1 = Missing	

TODIO C	(001161					
Line Num	in an a	SR) Item Data				
			VALID RANGES, VALUES			
COLUMN	FORMAT	DESCRIPTION	VALID HANGES, VALUES			
NOTES:	To be to the contains O fields					
01-02	12	Item #01 Response	1 to 5,-1 = Missing			
04-10	F7.3	Response Latency(Seconds)	0.000 to 999.999,			
			-1.000 = Missing			
12-13	12	Response Scoring	0=Wrong, 1=Right,			
12-10		Thought the dearning	-1 = Missing			
17-18	12	Item #02 Response	1 to 5,-1 = Missing			
	F7.3	Response Latency(Seconds)	0.000 to 999.999,			
20-26	F7.3	Hesponse Latericy (Occordo)	-1.000 = Missing			
00.00	12	Response Scoring	0=Wrong, 1=Right,			
28-29	12	nesponse acoming	-1 = Missing			
00.04	12	Item #03 Response	1 to 5,-1 = Missing			
33-34	F7.3	Response Latency(Seconds)	0.000 to 999.999,			
36-42	F7.3	nesponse Latericy (Seconds)	-1.000 = Missing			
		Decrees Cooring	0=Wrong, 1=Right,			
44-45	12	Response Scoring	-1 = Missing			
	1	No. of Management	1 to 5,-1 = Missing			
49-50	12	Item #04 Response	0.000 to 999.999,			
52-58	F7.3	Response Latency(Seconds)	-1.000 = Missing			
		Over the s	0=Wrong, 1=Right,			
60-61	12	Response Scoring	_			
			-1 = Missing			
65-66	12	Item #05 Response	1 to 5,-1 = Missing			
68-74	F7.3	Response Latency(Seconds)	0.000 to 999.999,			
			-1.000 = Missing			
76-77	12	Response Scoring	0=Wrong, 1=Right,			
			-1 = Missing			

Line Num	ber 22 — [	SR] Test Summary	The second secon
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-07	F 7.3	Average Item Response Latency	0.000 to 720.000,
			-1.000 = Missing
09-14	F 6.3	Percent Correct	0.000 to 1.000,
			-1.000 = Missing
16-21	F 6.3	Percent Attempted	0.000 to 1.000,
			-1.000 = Missing

Table 6. ECAT - Version 2.0 (93 records)
Section: INTEGRATING DETAIL (Line Numbers 23-44)

***************************************	Oodiom II.1.				
Line Number,23 – [ID] Personal Data					
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES		
01-09	19	Social Security Number	DIGITS		
11-16	3 (12)	BirthDate (YYMMDD)	Year = 0099		
			Month = $0112$		
			Day = 0131		
18	11	Gender	1 = Male		
			2 = Female		
20	11	Education Level	1 = College, 1 Yr or more		
			2 = H.S. Graduate		
		_	3 = 12 years but did not		
			graduate		
			4 = 9 - 11 Years		
			5 = 8 Years or less		
22	11	Language	1 = English		
			2 = Spanish		
1		-	3 = Chinese		
			4 = Tagolog		
			5 = Other		
24	11	Is Examinee Right Handed?	1 = Yes		
			2 = No		
28-31	14	Instruction Time in Seconds	0 to 9999, -1 = Missing		
33-36	14	Test Time in Seconds	0 to 9999, -1 = Missing		
38-43	F 6.3	Percent Attempted	0.000 to 1.000,		
			-1.000 = Missing		

Line Num		= [ID] Item Data	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTES:		contains 2 test items. Each test item coring line 26 layout is repeated for lines 25	
02-03	12	Item #01 Response	0 to 1,-1 = Missing
06-12	F7.3	Integrate Time - Item #1	0.000 to 999.999,
			-1.000 = Missing
14-15	12	Integrate Time Flag - Item #1	-1 = Missing
			<ul> <li>0 = Acceptable minimum integration latency</li> <li>1 = Unacceptable minimum integration latency</li> </ul>
18-24	F7.3	Decision Response Latency - Item #1	0.000 to 999.000, -1.000 = Missing
26-27	12	Decision Flag - Item #1	-1 = Missing 0 = Acceptable minimum decision latency 1 = Unacceptable minimum decision latency
33-34	12	Item #02 Response	0 to 1,-1 = Missing
37-43	F7.3	Integrate Time - Item #2	0.000 to 999.999,
			-1.000 = Missing
45-46	12	Integrate Time Flag - Item #2	-1 = Missing
			0 = Acceptable minimum integration latency 1 = Unacceptable minimum integration latency
49-55	F7.3	Decision Response Latency - Item #2	0.000 to 999.000, -1.000 = Missing
57-58	12	Decision Flag - Item #2	-1 = Missing 0 = Acceptable minimum decision latency 1 = Unacceptable minimum decision latency

Line Number 44 – [ID] Test Summary					
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES		
04-05	12	Block Administration Order	0 to 4, -1 = Missing		
07-12	F6.3	Mean LOG10 Integrate Time	0.000 to 1.800, -1.000 = Missing		
14-19	F6.3	Mean LOG10 Decision Time	0.000 to 1.800, -1.000 = Missing		
21-22 24-29	12 F6.3	Total Flags Percent Correct	0 to 80, -1 = Missing 0.000 to 1.000, -1.000 = Missing		

Table 6. ECAT - Version 2.0 (93 records)
Section: ASSEMBLING OBJECTS (Line Numbers 45-54)

Line Num	Line Number 45 [AO] Personal Data					
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES			
01-09	19	Social Security Number	DIGITS			
11-16	3 (12)	BirthDate (YYMMDD)	Year = 0099			
			Month = 0112			
		·	Day = 0131			
18	11	Gender	1 = Male			
			2 = Female			
20	11	Education Level	1 = College, 1 Yr or more			
			2 = H.S. Graduate			
			3 = 12 years but did not			
			graduate.			
	:		4 = 9 - 11 Years 5 = 8 Years or less			
	1.4	l annuare				
22	11	Language	1 = English 2 = Spanish			
			3 = Chinese			
			4 = Tagolog			
			5 = Other			
24	11	Is Examinee Right Handed?	1 = Yes			
	, ,		2 = No			
26-29	14	Instruction Time in Seconds	0 to 9999, -1 = Missing			
31-34	14	Test Time in Seconds	0 to 9999, -1 = Missing			
36-37	12	Number of Jumps - AO Subtest	0 to 32, -1 = Missing			

Tuble	Table 6 (continued)			
Line Numi	bers.45-53	- [AO] Item Data		
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES	
NOTES:	Fach line o	contains 4 test items. Each test item coning line 46 layout is repeated for lines 47	-53, items #05-#32	
01-02	12	Item #01 Response	1 to 4,-1 = Missing	
04-10	F7.3	Response Latency(Seconds)	0.000 to 999.999, -1.000 = Missing	
12-13	12	Response Scoring	0=Wrong, 1=Right, -1 = Missing	
18-19	12	Item #02 Response	1 to 4,-1 - Missing	
21-27	F7.3	Response Latency(Seconds)	0.000 to 999.999, -1.000 = Missing	
29-30	12	Response Scoring	0=Wrong, 1=Right, -1 = Missing	
35-36	12	Item #03 Response	1 to 4,-1 = Missing	
38-44	F7.3	Response Latency(Seconds)	0.000 to 999.999, -1.000 = Missing	
46-47	12	Response Scoring	0=Wrong, 1=Right, -1 = Missing	
52-53	12	Item #04 Response	1 to 4,-1 = Missing	
55-61	F7.3	Response Latency(Seconds)	0.000 to 999.999, -1.000 = Missing	
63-64	12	Response Scoring	0=Wrong, 1=Right, -1 = Missing	
Line Num	iber 54 [	AO] Test Summary		
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES	
01-07	F 7.3	Average Item Response Latency	0.000 to 720.000, -1 = Missing	
09-14	F 6.3	Percent Correct	0.000 to 1.000, -1 = Missing	
16-21	F 6.3	Percent Attempted	0.000 to 1.000, -1 = Missing	

Table 6. ECAT - Version 2.0 (93 records)
Section: SPATIAL ORIENTATION (Line Numbers 55-63)

***************************************							
Line Num	Line Number 57 – [OR] Personal Data						
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES				
01-09	19	Social Security Number	DIGITS				
11-16	3(12)	BirthDate (YYMMDD)	Year = 0099				
			Month = 0112				
			Day = 0131				
18	11	Gender	1 = Male				
			2 = Female				
20	11	Education Level	1 = College, 1 Yr or more				
			2 = H.S. Graduate				
			3 = 12 years but did not				
			graduate				
			4 = 9 - 11 Years				
			5 = 8 Years or less				
22	11	Language	1 = English				
			2 = Spanish				
			3 = Chinese				
			4 = Tagolog				
			5 = Other				
24	11	Is Examinee Right Handed?	1 = Yes				
			2 = No				
26-29	14	Instruction Time in Seconds	0 to 9999, -1 = Missing				
31-34	14	Test Time in Seconds	0 to 9999, -1 = Missing				
36-37	12	Number of Jumps for OR Subtest	0 to 24, -1 = Missing				

Table 0	Table 6 (Continued)			
⊔ne Numbers 55-61 — [OR] Item Data				
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES	
NOTES:	Each line o	contains 4 test items. Each test item coing line 56 layout is repeated for lines 5	ontains 3 fields. 7-61, items #05-#24	
01-02	12	Item #01 Response	1 to 5,-1 = Missing	
04-10	F7.3	Response Latency(Seconds)	0.000 to 999.999, -1.000 = Missing	
12-13	12	Response Scoring	0=Wrong, 1=Right, -1 = Missing	
18-19	12	Item #02 Response	1 to 5,-1 = Missing	
21-27	F7.3	Response Latency (Seconds)	0.000 to 999.999, -1.000 = Missing	
29-30	12	Response Scoring	0=Wrong, 1=Right, -1 = Missing	
35-36	12	Item #03 Response	1 to 5,-1 = Missing	
38-44	F7.3	Response Latency(Seconds)	0.000 to 999.999, -1.000 = Missing	
46-47	12	Response Scoring	0=Wrong, 1=Right, -1 = Missing	
52-53	12	Item #04 Response	1 to 5,-1 = Missing	
55-61	F7.3	Response Latency(Seconds)	0.000 to 999.999, -1.000 = Missing	
63-64	12	Response Scoring	0=Wrong, 1=Right, -1 = Missing	
Line Num	ber 62 — [	OR] Item Response Summary		
COLLIMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES	
01-07	F 7.3	Average Item Response Latency	0.000 to 600.000,	
0.0.			-1.000 = Missing	
10-15	F 6.3	Percent Correct	0.000 to 1.000, -1.000 = Missing	
Line Nun	nber 63 —	[OR] Item Accuracy Summary		
COLUMN	FORMAT		VALID RANGES, VALUES	
01-02	12	Number of Items Attempted	0 to 24, -1 = Missing	
04-05	12	Sum of Accuracies	0 to 24, -1 = Missing	

Table 6. ECAT - Version 2.0 (93 records)
Section: MENTAL COUNTERS (Line Numbers 64-68)

Line Num	ber 64 [	MC] Personal Data	
COLUMN	<b>FORMAT</b>	DESCRIPTION	VALID RANGES, VALUES
01-09	19	Social Security Number	DIGITS
11-16	3(12)	BirthDate (YYMMDD)	Year = 0099
			Month = 0112
			Day = 0131
18	11	Gender	1 = Male
			2 = Female
20	11	Education Level	1 = College, 1 Yr or more
			2 = H.S. Graduate
			3 = 12 years but did not graduate
			4 = 9 - 11 Years
			5 = 8 Years or less
22	11	Language	1 = English
			2 = Spanish
			3 = Chinese
			4 = Tagolog
			5 = Other
24	11	Is Examinee Right Handed?	1 = Yes
			2 = No
29-32	14	Instruction Time in Seconds	0 to 9999, -1 = Missing
34-37	14	Test Time in Seconds	0 to 9999, -1 = Missing
39-40	12	Times Through Instructions	0 to 9, -1 = Missing
42-47	F 6.3	Percent Attempted	0.000 to 1.000,
			-1.000 = Missing
49-50"	12	Number of Jumps - MC Subtest	0 to 40, -1 = Missing

	(COTTEN		
Line Num	berevelenet	= [MC] Item Data	
		and the second s	L VALID DANICES, VALUES
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
	Faala lina a	contains 10 test items. Each test item c	ontains 2 fields
NOTES:	Each line of	ng line 65 layout is repeated for lines 66	3-68 items #11-#40
	THE TOHOW	rig iii le 65 layout is repeated for iii les of	3 00, 110.110 11 11 11
01-02	12	Item #01 Response	0 to 3,-1 = Missing
04-05	12	Response Scoring	0=Wrong, 1=Right,
0.00			-1 = Missing
08-09	12	Item #02 Response	0 to 3,-1 = Missing
11-12	12	Response Scoring	0=Wrong, 1=Right,
			-1 = Missing
15-16	12	Item #03 Response	0 to 3,-1 = Missing
18-19	12	Response Scoring	0=Wrong, 1=Right, -1 = Missing
	10	Harry #04 December	0 to 3,-1 = Missing
22-23	12 12	Item #04 Response Response Scoring	0=Wrong, 1=Right,
25-26	12	nesponse aconing	-1 = Missing
29-30	12	Item #05 Response	0  to  3,-1 = Missing
32-33	12	Response Scoring	0=Wrong, 1=Right,
02 00			-1 = Missing
36-37	12	Item #06 Response	0 to 3,-1 = Missing
39-40	12	Response Scoring	0=Wrong, 1=Right,
			-1 = Missing
43-44	12	Item #07 Response	0 to 3,-1 = Missing
46-47	12	Response Scoring	0=Wrong, 1=Right, -1 = Missing
50.54		Utom #08 Bosponso	0 to 3,-1 = Missing
50-51	12	Item #08 Response Response Scoring	0=Wrong, 1=Right,
53-54	12		-1 = Missing
57-58	12	Item #09 Response	0  to  3,-1 = Missing
60-61	12	Response Scoring	0=Wrong, 1=Right,
	-		-1 = Missing
64-65	12	Item #10 Response	0  to  3,-1 = Missing
67-68	12	Response Scoring	0=Wrong, 1=Right,
			-1 = Missing

Line Num	ber 58 –	[MC] Item Data	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTES:	The follow	ving variable is added to line #7	0.
73-74	12	Sum of Accuracies	0 to 40, -1=Missing

Table 6. ECAT - Version 2.0 (93 records)
Section: TARGET IDENTIFICATION (Line Numbers 69-80)

Coction	1. 17AITE		
Line Num	ber 69 _ F	TID) Personal Data	
Wile Nasi	isa sa j		Control of the Contro
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-09	19	Social Security Number	DIGITS
11-16	3(12)	BirthDate (YYMMDD)	Year = 0099
		•	Month = 0112
			Day = 0131
18	11	Gender	1 = Male
		·	2 = Female
20	11	Education Level	1 = College, 1 Yr or more
		·	2 = H.S. Graduate
			3 = 12 years but did not
			graduate
			4 = 9 - 11 Years
	,		5 = 8 Years or less
22	11	Language	1 = English
		·	2 = Spanish
			3 = Chinese
			4 = Tagolog
			5 = Other
24	11	Is Examinee Right Handed?	1 = Yes
			2 = No
27-32	3(12)	Test Administration Date (YYMMDD)	Year = 0099
			Month = 0112
	- 0 -1		Day = 0131
34-39	3(12)	Test Administration Time (HHMMSS)	Hour = 0024
			Minutes = 0159
		Lucia atian Tana in Casanda	Seconds = 0159
43-46	14	Instruction Time in Seconds	0 to 1800, -1 = Missing
50-53	14	Test Time in Seconds	0 to 1800, -1 = Missing 1000 to 1999
55-58	14	Response Pedestal Serial Number	
60-64	F5.3	Graphics Screen Aspect Ratio	1.000

COLUMN   FORMAT   DESCRIPTION   VALID RANGES, VALUES	TUDIO	Table 6 (continued)				
NOTES: Each item ID Number is 3 digits, separated by one SPACE.  Missing data is indicated with an ID Number of "999".  The first 3 item ID Numbers are given below as an example.  01-03	Line Num	iber 70 [	FID] Item ID Numbers (for Items #01	<b>-#2</b> 0)		
Missing data is indicated with an ID Number of "999". The first 3 item ID Numbers are given below as an example.  01-03	COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES		
13	NOTES:	TES: Each item ID Number is 3 digits, separated by one SPACE.  Missing data is indicated with an ID Number of "999".				
13	01-03	13	Item ID for Item #01			
(etc)   (etc)   (etc)   (etc)   (etc)   (etc)     The complete list of item IDs for Items #01-#20 are as follows:   901 902 903 001 002 003 005 006 007 008 009 011 012 013 014 016 018 019 022 023     Line Number 71 = [TID] Item ID NumberS (for Items #21-#39)     COLUMN FORMAT   DESCRIPTION   VALID RANGES, VALUES     Notes and format for LINE NUMBER 70 apply to LINE NUMBER 71. The complete list of item IDs for Items #21-#39 are as follows:   024 026 027 028 029 030 031 033 034 036 038 039 040 042 043 044 045 046 048     Line Number 72 = [TID] 'Hand Used' Indicators (for Items #01-#39)     COLUMN FORMAT   DESCRIPTION   VALID RANGES, VALUES     NOTE: Each indicator is one digit followed by a SPACE.     See Note   39(i 1)   Which Hand Was Used To Respond   0 = UNKNOWN   1 = Left Hand	05-07	13				
The complete list of item IDs for Items #01-#20 are as follows:  901 902 903 001 002 003 005 006 007 008 009 011 012 013 014 016 018 019 022 023  Line Number 71 — [TID] Item ID NumberS (for Items #21-#39)  COLUMN FORMAT DESCRIPTION VALID RANGES, VALUES  Notes and format for LINE NUMBER 70 apply to LINE NUMBER 71. The complete list of item IDs for Items #21-#39 are as follows:  024 026 027 028 029 030 031 033 034 036 038 039 040 042 043 044 045 046 048  Line Number 72 — [TID] "Hand Used" Indicators (for Items #01-#39)  COLUMN FORMAT DESCRIPTION VALID RANGES, VALUES  NOTE: Each indicator is one digit followed by a SPACE.  See Note 39(i 1) Which Hand Was Used To Respond 0 = UNIKNOWN 1 = Left Hand	09-11	13	Item ID for Item #03			
901 902 903 001 002 003 005 006 007 008 009 011 012 013 014 016 018 019 022 023  Line Number 71 — [TID] Item ID NumberS (for Items #21-#39)  COLUMN FORMAT   DESCRIPTION   VALID RANGES, VALUES  Notes and format for LINE NUMBER 70 apply to LINE NUMBER 71. The complete list of item IDs for Items #21-#39 are as follows:  024 026 027 028 029 030 031 033 034 036 038 039 040 042 043 044 045 046 048  Line Number 72 — [TID] "Hand Used" Indicators (for Items #01-#39)  COLUMN FORMAT   DESCRIPTION   VALID RANGES, VALUES  NOTE: Each indicator is one digit followed by a SPACE.  See Note   39(I 1)   Which Hand Was Used To Respond   0 = UNKNOWN 1 = Left Hand	(etc)	(etc)	(etc)	(etc)		
COLUMN FORMAT DESCRIPTION VALID RANGES, VALUES  Notes and format for LINE NUMBER 70 apply to LINE NUMBER 71. The complete list of item IDs for Items #21-#39 are as follows:  024 026 027 028 029 030 031 033 034 036 038 039 040 042 043 044 045 046 048  Line Number 72 — [TID] "Hand Used" Indicators (for Items #01-#39)  COLUMN FORMAT DESCRIPTION VALID RANGES, VALUES  NOTE: Each indicator is one digit followed by a SPACE.  See Note 39(I 1) Which Hand Was Used To Respond 0 = UNKNOWN 1 = Left Hand		901 902 90	03 001 002 003 005 006 007 008 009 0			
Notes and format for LINE NUMBER 70 apply to LINE NUMBER 71. The complete list of item IDs for Items #21-#39 are as follows:  024 026 027 028 029 030 031 033 034 036 038 039 040 042 043 044 045 046 048  Line Number 72 — [TID] "Hand Used" Indicators (for Items #01-#39)  COLUMN FORMAT DESCRIPTION VALID RANGES, VALUES  NOTE: Each indicator is one digit followed by a SPACE.  See Note 39(I 1) Which Hand Was Used To Respond 0 = UNKNOWN 1 = Left Hand			0.000			
The complete list of item IDs for Items #21-#39 are as follows:  024 026 027 028 029 030 031 033 034 036 038 039 040 042 043 044 045 046 048  Line Number 72 — [TID] "Hand Used" Indicators (for Items #01-#39)  COLUMN FORMAT DESCRIPTION VALID RANGES, VALUES  NOTE: Each indicator is one digit followed by a SPACE.  See Note 39(i 1) Which Hand Was Used To Respond 0 = UNKNOWN 1 = Left Hand	COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES		
Line Number 72 — [TID] "Hand Used" Indicators (for Items #01-#39)  COLUMN FORMAT DESCRIPTION VALID RANGES, VALUES  NOTE: Each indicator is one digit followed by a SPACE.  See Note 39(I 1) Which Hand Was Used To Respond 0 = UNKNOWN 1 = Left Hand						
COLUMN FORMAT DESCRIPTION VALID RANGES, VALUES  NOTE: Each indicator is one digit followed by a SPACE.  See Note 39(I 1) Which Hand Was Used To Respond 0 = UNKNOWN 1 = Left Hand			27 028 029 030 031 033 034 036 038 0	39 040 042 043 044 045		
NOTE: Each indicator is one digit followed by a SPACE.  See Note 39(I 1) Which Hand Was Used To Respond 0 = UNKNOWN 1 = Left Hand	Line Nun	nber 72 — [	TID] *Hand Used* Indicators (for Item	ns #01-#39)		
See Note 39(I 1) Which Hand Was Used To Respond 0 = UNKNOWN 1 = Left Hand	COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES		
1 = Left Hand	NOTE:	Each indic	ator is one digit followed by a SPACE.			
1 = Left Hand	See Note	39(l 1)	Which Hand Was Used To Respond	0 = UNKNOWN		
2 = Right Hand			,	1 = Left Hand		
				2 = Right Hand		

***************************************		idea)	
Line Num	ber 73 — [	(ID) Item Response Accuracy (for Item	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTE:	Each Resp	oonse Score is one digit, separated by a	SPACE.
See Note	39(l 1)	Item Response Accuracy	0 = No Data 1 = Incorrect 2 = Correct
Line Num	ber 74 — [	TID] Item Decision Latencies (for Item	s #01-#15)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTE:	Each Late	ncy takes 5 columns, not separated by a	a SPACE.
See Note	15(F5.2)	Decision Times (Pressing HOME)	0.00 to 99.99, -1=Missing
Line Num	ber 75 [	TID] Item Decision Latencies (for Item	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTE:	Each Late	ncy takes 5 columns, not separated by a	a SPACE.
See Note	15(F5.2)	Decision Times (Pressing HOME)	0.00 to 99.99, -1=Missing
Line Nun	nber 76 — [	TID] Item Decision Latencies (for Item	s #31-#39)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTE:	Each Late	ncy takes 5 columns, not separated by	a SPACE.
See Note	9(F5.2)	Decision Times (Pressing HOME)	0.00 to 99.99, -1 = Missing
Line Nun	nber 77 [	TID] Item Response Latencies (for Ite	ms #01-#15)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTE:	Each Late	ency takes 5 columns, not separated by	a SPACE.
See Note	15(F5.2)	Response Times	0.00 to 99.99, -1=Missing

Line Num	bazza - [	(ID) Item Response Latencles (for Item	ne #16-#30)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTE:	Each Late	ncy takes 5 columns, not separated by a	SPACE.
See Note	15(F5.2)	Response Times	0.00 to 99.99, -1=Missing
Line Num	ber 79 - [	TID] Item Response Latencies (for Iten	ns #31-#39)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTE:	Each Late	ncy takes 5 columns, not separated by a	SPACE.
See Note	9(F5.2)	Response Times	0.00 to 99.99, -1 = Missing
Line Num	ber 80 [	TID] Test Summary	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-02	12	Alumber of Itama Attampted	0 : 00 4 14: :
	12	Number of Items Attempted	0 to 39, -1 = Missing
04-05	12	Number of Items Correct	0 to 39, -1 = Missing
	. –	· ·	0 to 39, -1 = Missing 0.00 to 99.99, -1 = Missing
04-05	12	Number of Items Correct Average Decision Time Average Response Time	0 to 39, -1 = Missing 0.00 to 99.99, -1 = Missing 0.00 to 99.99, -1 = Missing
04-05 07-11	l 2 F5.2	Number of Items Correct Average Decision Time Average Response Time Average Total Item Time	0 to 39, -1 = Missing 0.00 to 99.99, -1 = Missing 0.00 to 99.99, -1 = Missing 0.00 to 99.99, -1 = Missing
04-05 07-11 13-17	F5.2 F5.2	Number of Items Correct Average Decision Time Average Response Time Average Total Item Time Number of Times RT Hand Used	0 to 39, -1 = Missing 0.00 to 99.99, -1 = Missing 0.00 to 99.99, -1 = Missing 0.00 to 99.99, -1 = Missing 0 to 39, -1 = Missing
04-05 07-11 13-17 19-23	F5.2 F5.2 F5.2	Number of Items Correct Average Decision Time Average Response Time Average Total Item Time	0 to 39, -1 = Missing 0.00 to 99.99, -1 = Missing 0.00 to 99.99, -1 = Missing 0.00 to 99.99, -1 = Missing

Table 6. ECAT - Version 2.0 (93 records)
Section: ONE-HAND TRACKING (Line Numbers 81-87)

OCCIO	. ONL		
	~~~	TFT] Personal Data	
(m) (1/2) (1/3)	• • • • • • • • • • • • • • • • • • • •		AND THE PROPERTY OF THE PROPER
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-09	19	Social Security Number	DIGITS
11-16	3(12)	BirthDate (YYMMDD)	Year = 0099
1	J(/		Month = 0112
			Day = 0131
18	11	Gender	1 = Male
			2 = Female
20	11	Education Level	1 = College, 1 Yr or more
			2 = H.S. Graduate
			3 = 12 years but did not
			graduate
			4 = 9 - 11 Years
			5 = 8 Years or less
22	11	Language	1 = English
			2 = Spanish
			3 = Chinese
			4 = Tagolog
			5 = Other
24	11	Is Examinee Right Handed?	1 = Yes
		0.000000	2 = No
27-32	3(12)	Test Administration Date (YYMMDD)	Year = 0099 Month = 0112
			Day = $0112$
	- (1 -)	Time (IIIIMASS)	Hour = 0024
34-39	3(12)	Test Administration Time (HHMMSS)	Minutes = 0159
			Seconds = 0159
40.10		Instruction Time in Seconds	0 to 1800, -1 = Missing
43-46	14	Instruction Time in Seconds	0 to 1800, -1 = Missing
50-53	14	Test Time in Seconds	1000 to 1999
55-58	14	Response Pedestal Serial Number	1.000
60-64	F5.3	Graphics Screen Aspect Ratio	1.000

⊔ne Num	ber 82 – [	TR1] Item ID Numbers (for Items #01-	#20)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTES:	Missing da	ID Number is 3 digits, separated by one ata is indicated with an ID Number of "99 item ID Numbers are given below as an	9".
01-03 05-07 09-11 (etc)	I 3 I 3 I 3 (etc)	Item ID for Item #01 Item ID for Item #02 Item ID for Item #03 (etc)	901, Missing = 999 902, Missing = 999 903, Missing = 999 (etc)
	·	lete list of item IDs for Items #01-#20 are	
	901 902 90 016 018 00	03 801 802 803 001 015 006 008 005 010 03	0 017 012 011 009 002
⊔ne Num	ber 83 – [	TR1] Item ID Numbers (for Items #21-	#24)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
		format for LINE NUMBER 84 apply to Li lete list of item IDs for Items #21-#24 are	
	014 007 0	04 013	
Line Num	ber 84 — [	TR1] Which Joystick Used	
COLUMN 01	FORMAT I 1	DESCRIPTION Which Joystick Used?	VALID RANGES, VALUES 1 = Right, 2 = Left
Line Num	ber 85 – [	TR1] Item Accuracies (for Items #01 -	#15)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTES: Each Item Accuracy is one SPACE, followed by 4 digits. The first Item Accuracy is given below as an example.			
02-05		Average Distance to Target	0 to 9999, -1 = Missing

Line Num	ber 86 — [	rent   tem Accuracies (for Items #16-	#24)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
	Notes and	format for LINE NUMBER 85 apply to L	INE NUMBER 86.
Line Num	ber 87 — [	[R1] Item Accuracy Calculations	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-02	12	Number of Items Attempted	0 to 24, -1 = Missing
04-09	F6.2	Total Average Distance From Target	0.00 to 999.99, -1 = Missing
11-14	14	Average Root Mean Square Error	0 to 9999, -1 = Missing

Table 6. ECAT - Version 2.0 (93 records)
Section: TWO-HAND TRACKING (Line Numbers 88-93)

Line Num	ber 88 - [	TR2] Personal Data	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-09	19	Social Security Number	DIGITS
11-16	3(12)	BirthDate (YYMMDD)	Year = 0099
			Month = 0112
ł			Day = 0131
18	11	Gender	1 = Male
			2 = Female
20	11	Education Level	1 = College, 1 Yr or more
			2 = H.S. Graduate
			3 = 12 years but did not graduate
			4 = 9 - 11 Years
			5 = 8 Years or less
22	11	Language	1 = English
		•	2 = Spanish
			3 = Chinese
			4 = Tagolog
			5 = Other
24	11	Is Examinee Right Handed?	1 = Yes
	- 41 - 1		2 = No
27-32	3(12)	Test Administration Date (YYMMDD)	Year = 0099
			Month = 0112
	0 (1 0)		Day = 0131
34-39	3(12)	Test Administration Time (HHMMSS)	Hour = 0024
			Minutes = 0159
40.40	1.4	Instruction Time in Consula	Seconds = 0159
43-46	14	Instruction Time in Seconds	0 to 1800, -1 = Missing
50-53	14	Test Time in Seconds	0 to 1800, -1 = Missing
55-58	14	Response Pedestal Serial Number	1000 to 1999
60-64	F5.3	Graphics Screen Aspect Ratio	1.000

***************************************	o (COITIII)				
Line Nun	1] — 28 redi	P2] Item ID Numbers (for Items	The second secon		
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES		
	OTES: Each item ID Number is 3 digits, separated by one SPACE.  Missing data is indicated with an ID Number of "999".  The first 3 item ID Numbers are given below as an example.				
01-03 05-07 09-11 (etc)	13	Item ID for Item #01 Item ID for Item #02 Item ID for Item #03 (etc)	901, Missing = 999 902, Missing = 999 903, Missing = 999 (etc)		
		ete list of item IDs for Items #01-#			
	011 010 00				
Line Nur	nber 90 [	R2] Item ID Numbers (for Items			
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES		
	Notes and format for LINE NUMBER 89 apply to LINE NUMBER 90. The complete list of item IDs for Items #21-#24 are as follows:				
	017 014 01	5 004			
Line Nu	mber 91 — [	FR2] Item Accuracies (for Items			
COLUM	V FORMAT	DESCRIPTION	VALID RANGES, VALUES		
	NOTES: Each Item Accuracy is one SPACE, followed by 4 digits.  The first Item Accuracy is given below as an example.				
02-05 (etc)	l 4 (etc)	Average Distance to Target (etc)	0 to 9999, -1 = Missing (etc)		

Line Num	) ber 92 [	[R2] item Accuracies (for items #18-	#24)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
	Notes and	format for LINE NUMBER 91 apply to I	LINE NUMBER 92.
Line Num	ber 93 [	FR2] Item Accuracy Calculations	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-02	12	Number of Items Attempted	0 to 24, -1 = Missing
_	F6.2	Total Average Distance From Target	0.00 to 999.99,
04-09	Γ0.2	Total Average Distance From Farget	-1.00 = Missing
	14	Average Root Mean Square Error	0 to 9999, -1 = Missing

Table 7: ECAT-Version 5.0(97-Records)
Section: SEQUENTIAL MEMORY (Line Numbers 01-11)

Section. Of Gotham (-				
Lint Number 01 - (SM) Parsonal Date (Versions A.D.Z. 5.0 Header)				
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES	
01-09	19	Social Security Number	DIGITS	
11-13	F 3.1	ECAT System Version Number	5.0	
15-20	16	ECAT System Version Date	910307	
22-27	3 (12)	BirthDate (YYMMDD)	Year = 0099	
	J (/	•	Month = 0112	
			Day = 0131	
29	11	Gender	1 = Male	
			2 = Female	
31	11	Education Level	1 = College, 1 Yr or more	
"	''		2 = H.S. Graduate	
		·	3 = 12 Years (Non-grad)	
·1			4 = 9 - 11 Years	
			5 = 8 Years or less	
33	11	Language	1 = English	
1			2 = Spanish	
			3 = Chinese	
			4 = Other	
35	11.	Is Examinee Right Handed?	1 = Yes	
00			2 = No	
37-39	F 3.1	[SM] Software Version	1.1	
40-44	15	Instruction Time in Seconds	0 to 99999, -1 = Missing	
45-49	15	Test Time in Seconds	0 to 99999, -1 = Missing	
50-52	12	Total "Jumps" (Quick Answers)	0 to 35, -1 = Missing	

Line Nun	[5](17)(02±0](	— [SM] Item Data—			
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES		
NOTES:					
01-05	15	Item #01 Response	DIGITS, 99999 = Missing		
07-13	F 7.3	Response Latency (Seconds)	0.000 to 999.999, -1.000 = Missing		
15-16	12	Item #01 Accuracy (All digits correct)	0 = No, 1 = Yes, -1 = Missing		
21-25	15	Item #02 Response	DIGITS, 99999 = Missing		
27-33	F 7.3	Response Latency (Seconds)	0.000 to 999.999, -1.000 = Missing		
35-36	12	Item #02 Accuracy (All digits correct)	0 = No, 1 = Yes, -1 = Missing		
41-45	15	Item #03 Response	DIGITS, 99999 = Missing		
47-53	F 7.3	Response Latency (Seconds)	0.000 to 999.999, -1.000 = Missing		
55-56	12	Item #03 Accuracy (All digits correct)	0 = No, 1 = Yes, -1 = Missing		
61-65	15	Item #04 Response	DIGITS, 99999 = Missing		
67-73	F 7.3	Response Latency (Seconds)	0.000 to 999.999, -1.000 = Missing		
75-76	12	Item #04 Accuracy (All digits correct)	0 = No, 1 = Yes, -1 = Missing		

Table 7	COILLI	idodj			
Eine Num	ioralio — į	SMI (tem Date (confinted)************************************			
COLUMN	<b>FORMAT</b>	DESCRIPTION	VALID RANGES, VALUES		
01-05	15	Item #33 Response	DIGITS, 99999 = Missing		
07-13	F 7.3	Response Latency (Seconds)	0.000 to 999.999, -1.000 = Missing		
15-16	12	Item #33 Accuracy (All digits correct)	0 = No, 1 = Yes, -1 = Missing		
21-25	15	Item #34 Response	DIGITS, 99999 = Missing		
27-33	F 7.3	Response Latency (Seconds)	0.000 to 999.999, -1.000 = Missing		
35-36	12	Item #34 Accuracy (All digits correct)	0 = No, <u>1 = Yes,</u> -1 = Missing		
41-45	15	Item #35 Response	DIGITS, 99999 = Missing		
47-53	F 7.3	Response Latency (Seconds)	0.000 to 999.999,		
			-1.000 = Missing		
55-56	12	Item #35 Accuracy (All digits correct)	0 = No, 1 = Yes, -1 = Missing		
57-60	A 4	Trailing Blanks	BLANK		
Line Num	Line Number 11 - [SM] Teet Summary				
COLUMN	FORMAT		VALID RANGES, VALUES		
01-07	F 7.3	Average Item Response Latency	0.000 to 999.999,		
			-1.000 = Missing		
10-15	F 6.3	Proportion Correct	0.000 to 1.000,		
			-1.000 = Missing		
18-23	F 6.3	Proportion Attempted * 5	0.000 to 5.000,		
			-1.000 = Missing		

Table 7: ECAT-Version 5.0(97-Records)
Section: SPATIAL REASONING (Line Numbers 12-21)

Linefallin	Eggzett	SHI Paradital Data (Versions 4.0 2.50)	Pinnier)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-09	19	Social Security Number	DIGITS
11-13	F 3.1	ECAT System Version Number	5.0
15-20	16	ECAT System Version Date	910307
22-27	3 (12)	BirthDate (YYMMDD)	Year = 0099
		·	Month = 0112
			Day = 0131
29	11	Gender	1 = Male
			2 = Female
31	11	Education Level	1 = College, 1 Yr or more
			2 = H.S. Graduate
			3 = 12 years (Non-grad)
			4 = 9 - 11 Years
			5 = 8 Years or less
33	11	Language	1 = English
			2 = Spanish
			3 = Chinese
	\		4 = Other
35	11	Is Examinee Right Handed?	1 = Yes
			2 = No
37-39	F 3.1	[SR] Software Version	2.2
40-44	15	Instruction Time in Seconds	0 to 99999, -1 = Missing
45-49	15	Test Time in Seconds	0 to 99999, -1 = Missing
50-52	12	Total "Jumps" (Quick Answers)	0 to 28, -1 = Missing

Tubio .	(OOTHER		
Line Num	Dem (RA)	= [SR] Itom Data	And Sauthful
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTES:	Each line of	contains 4 test items. Each test item coring LINE 13 layout is repeated for LINES	3 14-19, items #05-#28.
01-02	12	Item #01 Response	1 to 5, -1 = Missing
04-10	F 7.3	Response Latency (Seconds)	0.000 to 999.999,
01.0			-1.000 = Missing
12-13	12	Response Scoring	0=Wrong, 1=Right, -1 = Missing
18-19	15	Item #02 Response	1 to 5, -1 = Missing
21-27	F 7.3	Response Latency (Seconds)	0.000 to 999.999,
21-21	1 7.0	, loopened Laterta, (a state )	-1.000 = Missing
29-30	12	Response Scoring	0=Wrong, 1=Right,
29-30	\ ·-	Thosponice deciming	-1 = Missing
35-36	15	Item #03 Response	1 to 5, -1 = Missing
38-44	F 7.3	Response Latency (Seconds)	0.000 to 999.999,
30-44	1 7.0	, looperies Lateries, (essente,	-1.000 = Missing
46-47	12	Response Scoring	0=Wrong, 1=Right,
40-47	12		-1 = Missing
52-53	15	Item #04 Response	1 to 5, -1 = Missing
55-61	F 7.3	Response Latency (Seconds)	0.000 to 999.999,
33-01	' '.5	, , ,	-1.000 = Missing
63-64	12	Response Scoring	0=Wrong, 1=Right,
00-04			-1 = Missing

	(00///		
Lime Num	197740 mil	iij tom kaa (eanlaned)	
			WALID BANGES VALUES
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-02	15	Item #29 Response	1 to 5, -1 = Missing
04-10	F 7.3	Response Latency (Seconds)	0.000 to 999.999,
		•	-1.000 = Missing
12-13	12	Response Scoring	0=Wrong, 1=Right,
12.0	<u> </u>	<b>3</b>	-1 = Missing
18-19	15	Item #30 Response	1 to 5, -1 = Missing
	F 7.3	Response Latency (Seconds)	0.000 to 999.999,
21-27	F 7.3	nesponse Latericy (Seconds)	-1.000 = Missing
		<b>O</b>	
29-30	12	Response Scoring	0=Wrong, 1=Right,
			-1 = Missing
		Dr.	Section 2007 Annie Consultation (Consultation Consultation Consultatio
Line Sum		SR) Test Summary	and the second s
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-07	F 7.3	Average Item Response Latency	0.000 to 999.999,
			-1.000 = Missing
10-15	F 6.3	Proportion Correct	0.000 to 1.000,
1			-1.000 = Missing
18-23	F 6.3	Proportion Attempted	0.000 to 1.000,
1.5.25			-1.000 = Missing

Table 7: ECAT-Version 5.0(97-Records)

Section: INTEGRATING DETAILS (Line Numbers 22-43)

same etami	::::::::::::::::::::::::::::::::::::::	P) Perential Para (Veralone 4.0 2.5.0)	Headige)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-09	19	Social Security Number	DIGITS
11-13	F 3.1	ECAT System Version Number	5.0
15-20	16	ECAT System Version Date	910307
22-27	3 (12)	BirthDate (YYMMDD)	Year = 0099
	•		Month = 0112
			Day = 0131
29	11	Gender	1 = Male
		·	2 = Female
31	11	Education Level	1 = College, 1 Yr or more
		·	2 = H.S. Graduate
			3 = 12 years (Non-grad)
			4 = 9 - 11 Years
			5 = 8 Years or less
33	11	Language	1 = English
			2 = Spanish
			3 = Chinese
			4 = Other
35	11.	Is Examinee Right Handed?	1 = Yes
			2 = No
37-39	F 3.1	[ID] Software Version	3.0=Ver.5.0,2.2=Ver.4.0
40-44	15	Instruction Time in Seconds	0 to 99999, -1 = Missing
45-49	15	Test Time in Seconds	0 to 99999, -1 = Missing
50-52	12	Total "Jumps" (Quick Answers)	0 to 40, -1 = Missing

Enextim	double K.	Filericin data	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTES:		contains 2 test items. Each test item coring LINE 23 layout is repeated for LINES	3 24-42, items #03-#40.
01-02	12	Item #01 Scoring	0=Wrong, 1=Right, -1 = Missing
04-10	F 7.3	Component Response Latency (Seconds looking at components)	0.000 to 999.999, -1.000 = Missing
12-13	12	Quick Response Warning	0=OK, 1=Warned, -1 = Missing
15-21	F 7.3	Decision Response Latency (Seconds deciding correct shape)	0.000 to 999.999, -1.000 = Missing
23-24	12	Quick Response Warning	0=OK, 1=Warned, -1 = Missing
30-31	12	Item #02 Scoring	0=Wrong, 1=Right, -1 = Missing
33-39	F 7.3	Component Response Latency (Seconds looking at components)	0.000 to 999.999, -1.000 = Missing
41-42	12	Quick Response Warning	0=OK, 1=Warned, -1 = Missing
44-50	F 7.3	Decision Response Latency (Seconds deciding correct shape)	0.000 to 999.999, -1.000 = Missing
52-53	12	Quick Response Warning	0=OK, 1=Warned, -1 = Missing
54	A 1	Trailing Blank	BLANK
Line Num	iber 43 [	D] Test Summary	
COLUMN		DESCRIPTION	VALID RANGES, VALUES
01-02	12	Block Administration Order	1 to 4, -1 = Missing
03-09	F 7.3	Average Item Response Latency	0.000 to 999.999, -1.000 = Missing
12-17	F 6.3	Proportion Correct	0.000 to 1.000,
20-25	F 6.3	Proportion Attempted	-1.000 = Missing 0.000 to 1.000, -1.000 = Missing

Table 7: ECAT-Version 5.0(97-Records)
Section: ASSEMBLING OBJECTS (Line Numbers 44-53)

Occion Accelination of the Control o				
Line Num	Keraka (	Ao) Paramal Dain Versione 480 de 240	Header)	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES	
01-09	19	Social Security Number	DIGITS	
11-13	F 3.1	ECAT System Version Number	5.0	
15-20	16	ECAT System Version Date	910307	
22-27	3 (12)	BirthDate (YYMMDD)	Year = 0099	
			Month = 0112	
			Day = 0131	
29	11	Gender	1 = Male	
	- Y		2 = Female	
31	11	Education Level	1 = College, 1 Yr or more	
			2 = H.S. Graduate	
			3 = 12 years (Non-grad)	
			4 = 9 - 11 Years	
			5 = 8 Years or less	
33	11	Language	1 = English	
			2 = Spanish	
			3 = Chinese	
l			4 = Other	
35	11	Is Examinee Right Handed?	1 = Yes	
			2 = No	
37-39	F 3.1	[AO] Software Version	2.1	
40-44	15	Instruction Time in Seconds	0 to 99999, -1 = Missing	
45-49	15	Test Time in Seconds	0 to 99999, -1 = Missing	
50-52	12	Total "Jumps" (Quick Answers)	0 to 32, -1 = Missing	

Line Num	pera #5-52	= [AG] Item Data			
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES		
NOTES:	Each line o	contains 4 test items. Each test item coing LINE 45 layout is repeated for LINES	S 46-52, items #05-#32.		
01-02	12	Item #01 Response	1 to 4, -1 = Missing		
04-10	F 7.3	Response Latency (Seconds)	0.000 to 999.999,		
12-13	12	Response Scoring	-1.000 = Missing 0=Wrong, 1=Right, -1 = Missing		
18-19	15	Item #02 Response	1 to 4, -1 = Missing		
21-27	F 7.3	Response Latency (Seconds)	0.000 to 999.999,		
29-30	12	Response Scoring	-1.000 = Missing 0=Wrong, 1=Right,		
35-36	15	Item #03 Response	-1 = Missing 1 to 4, -1 = Missing		
38-44	F 7.3	Response Latency (Seconds)	0.000 to 999.999,		
46-47	12	Response Scoring	-1.000 = Missing 0=Wrong, 1=Right, -1 = Missing		
52-53	15	Item #04 Response	1 to 4, -1 = Missing		
55-61	F 7.3	Response Latency (Seconds)	0.000 to 999.999, -1.000 = Missing		
63-64	12	Response Scoring	0=Wrong, 1=Right,		
			-1 = Missing		
	Line Number 53 [AO] Test Summary				
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES		
01-07	F 7.3	Average Item Response Latency	0.000 to 999.999,		
10-15	F 6.3	Proportion Correct	-1.000 = Missing 0.000 to 1.000,		
18-23	F 6.3	Proportion Attempted	-1.000 = Missing 0.000 to 1.000, -1.000 = Missing		

Table 7: ECAT-Version 5.0(97-Records)
Section: ORIENTATION (Line Numbers 54-61)

Section. Officiality (Entertainment)			
Line Number 54 - [OR] Personal Data (Versions 4.0 & 5.0 Header)			
**************************************		AND THE RESIDENCE OF THE PERSON OF THE PERSO	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-09	19	Social Security Number	DIGITS
11-13	F 3.1	ECAT System Version Number	5.0
15-20	16	ECAT System Version Date	910307
22-27	3 (12)	BirthDate (YYMMDD)	Year = 0099
	, ,		Month = 0112
			Day = 0131
29	11	Gender	1 = Male
			2 = Female
31	11	Education Level	1 = College, 1 Yr or more
, ·			2 = H.S. Graduate
1			3 = 12 years (Non-grad)
		İ	4 = 9 - 11 Years
		1	5 = 8 Years or less
33	11	Language	1 = English
	•		2 = Spanish
			3 = Chinese
			4 = Other
35	11	Is Examinee Right Handed?	1 = Yes
55	1 ''	lo arioni mico e ng	2 = No
37-39	F 3.1	[OR] Software Version	2.1
40-44	15	Instruction Time in Seconds	0 to 99999, -1 = Missing
45-49	15	Test Time in Seconds	0 to 99999, -1 = Missing
50-52	12	Total "Jumps" (Quick Answers)	0 to 24, -1 = Missing

Line Num	pereidis di	≕¶⊝Rjiltem Data	Contract section (
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTES:	Each line o	contains 4 test items. Each test item coing LINE 55 layout is repeated for LINE	S 56-60, items #05-#24.
01-02	12	Item #01 Response	1 to 5, -1 = Missing
04-10	F 7.3	Response Latency (Seconds)	0.000 to 999.999, -1.000 = Missing
12-13	12	Response Scoring	0=Wrong, 1=Right, -1 = Missing
18-19	15	Item #02 Response	1 to 5, -1 = Missing
21-27	F 7.3	Response Latency (Seconds)	0.000 to 999.999, -1.000 = Missing
29-30	12	Response Scoring	0=Wrong, 1=Right, -1 = Missing
35-36	15	Item #03 Response	1 to 5, -1 = Missing
38-44	F 7.3	Response Latency (Seconds)	0.000 to 999.999, -1.000 = Missing
46-47	12	Response Scoring	0=Wrong, 1=Right, -1 = Missing
52-53	15	Item #04 Response	1 to 5, -1 = Missing
55-61	F 7.3	Response Latency (Seconds)	0.000 to 999.999, -1.000 = Missing
63-64	12	Response Scoring	0=Wrong, 1=Right,
			-1 = Missing
Line Num	ber 61 — [	OR] Test Summary	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-07	F 7.3	Average Item Response Latency	0.000 to 999.999,
10.15	F 6.3	Proportion Correct	-1.000 = Missing 0.000 to 1.000,
10-15	F 0.3	Proportion Conect	-1.000 = Missing
18-23	F 6.3	Proportion Attempted	0.000 to 1.000, -1.000 = Missing

Table 7: ECAT-Version 5.0(97-Records)
Section: MENTAL COUNTERS (Line Numbers 62-73)

Ocollor	I. IAITIA	//L 00 011.	
îstro Nass		Mej Borronii Polici (anion 1803-200	) Elegators
m 111,275,1531		And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-09	19	Social Security Number	DIGITS
11-13	F 3.1	ECAT System Version Number	5.0
15-20	16	ECAT System Version Date	910307
22-27	3 (12)	BirthDate (YYMMDD)	Year = 0099
	J (1 –)	•	Month = 0112
			Day = 0131
29	11	Gender	1 = Male
	, ,		2 = Female
31	11	Education Level	1 = College, 1 Yr or more
0.	' '		2 = H.S. Graduate
1			3 = 12 years (Non-grad)
			4 = 9 - 11 Years
1			5 = 8 Years or less
33	11	Language	1 = English
55			2 = Spanish
			3 = Chinese
			4 = Other
35	11.	Is Examinee Right Handed?	1 = Yes
00			2 = No
37-39	F 3.1	[MC] Software Version	1.1
40-44	15	Instruction Time in Seconds	0 to 99999, -1 = Missing
45-49	15	Test Time in Seconds	0 to 99999, -1 = Missing
50-52	12	Total "Jumps" (Quick Answers)	0 to 30, -1 = Missing

Line Num	itera 63-77	: [MC] Item Data	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTES:		contains 4 test items. Each test item coing LINE 63 layout is repeated for LINES	64-72, items #05-#40.
01-02	12	Item #01 Response	0 to 3, -1 = Missing
04-10	F 7.3	Response Latency (Seconds)	0.000 to 999.999, -1.000 = Missing
12-13	12	Response Scoring	0=Wrong, 1=Right, -1 = Missing
18-19	15	Item #02 Response	0 to 3, -1 = Missing
21-27	F 7.3	Response Latency (Seconds)	0.000 to 999.999, -1.000 = Missing
29-30	12	Response Scoring	0=Wrong, 1=Right, -1 = Missing
35-36	15	Item #03 Response	0 to 3, -1 = Missing
38-44	F 7.3	Response Latency (Seconds)	0.000 to 999.999, -1.000 = Missing
46-47	12	Response Scoring	0=Wrong, 1=Right, -1 = Missing
52-53	15	Item #04 Response	0 to 3, -1 = Missing
55-61	F 7.3	Response Latency (Seconds)	0.000 to 999.999, -1.000 = Missing
63-64	12	Response Scoring	0=Wrong, 1=Right,
			-1 = Missing
⊔ne Num	ber 73 – [	MC] Test Summa <u>r</u> y	
COLUMN	FORMAT		VALID RANGES, VALUES
01-07	F 7.3	Average Item Response Latency	0.000 to 999.999,
10-15	F 6.3	Proportion Correct	-1.000 = Missing 0.000 to 1.000,
18-23	F 6.3	Proportion Attempted	-1.000 = Missing 0.000 to 1.000, -1.000 = Missing

Table 7: ECAT-Version 5.0(97-Records)
Section: TARGET IDENTIFICATION (Line Numbers 74-85)

00000			
Mino Kilimi	2007A3 [	Fig   Personal Data (Varalone 4.0 & 5.0	Hender)
COLLIMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-09	19	Social Security Number	DIGITS
11-13	F 3.1	ECAT System Version Number	5.0
15-20	16	ECAT System Version Date	910307
22-27	3 (12)	BirthDate (YYMMDD)	Year = 0099
22-21	0 (12)		Month = 0112
:			Day = 0131
29	11	Gender	1 = Male
23	• •	Control	2 = Femate
31	11	Education Level	1 = College, 1 Yr or more
3'	' '		2 = H.S. Graduate
			3 = 12 years (Non-grad)
			4 = 9 - 11 Years
		•	5 = 8 Years or less
33	11	Language	1 = English
			2 = Spanish
			3 = Chinese
1			4 = Other
35	11	Is Examinee Right Handed?	1 = Yes
			2 = No
38-43	3 (12)	Test Date (YYMMDD)	YY=0099, MM=0112,
			DD=0131
45-50	3 (12)	Test Time (HHMMSS)	HH=0023, MM=0059,
			SS=0059
52-55	F 4.1	[TID] Software Version	10.1
57-62	16	Instruction Time in Seconds	0 to 999999, -1 = Missing
64-69	16	Test Time in Seconds	0 to 999999, -1 = Missing
71-74	14	Pedestal Serial Number	1000 to 1999
76-80	F 5.3	Graphics Screen Aspect Ratio	1.000

100.0	(0011111				
Line Num	 	D) kem ID Numbers (for item	7#0(+#20)		
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES		
	Each Item	ID Number is 3 digits, separated ta is indicated with an ID Numbe tem ID Numbers are given below	or of "999".		
01-03	13	Item ID for Item #01	901, Missing = 999		
05-07		Item ID for Item #02	902, Missing = 999		
09-11		Item ID for Item #03	903, Missing = 999		
(etc)	(etc)	(etc)	(etc)		
	•	ete list of Item IDs for Items #01-			
Line Num	iber 76 - [	(ID) Item ID Numbers (for Item	s #21-#39)		
	Notes for LINE NUMBER 75 apply to LINE NUMBER 76. The complete list of Item IDs for Items #21-#39 are as follows:				
	024 026 027	028 029 030 031 033 034 036 038 03	9 040 042 043 044 045 046 048		
Line Num	ber 77 – [1	ID] "Hand Used" Indicators (Fo	or Items #01-#39)		
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES		
NOTE:		ator is one digit, separated by a	SPACE		
See Note	39 (I 1)	Which Hand Was Used To Resp	oond? 0 = UNKNOWN		
			1 = Right Hand		
			2 = Left hand		
1			9 = Not Answered		

Table 1	Table 7 (continued)			
kino(ima)	Me48)#481	iii)   tematespenae Aseuciey/(Fatalen	no (30 (535))	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES	
NOTE:		oonse Score is one digit, separated by a	SPACE	
See Note	39 (I 1)	Item response accuracy	0 = Timout 1 = Incorrect 2 = Correct 9 = Not Answered	
Line Num	oer 79 – [	TD] Item Decision Latencles (For Item	s #01-#15) —	
COLUMN	FORMAT	- DESCRIPTION	VALID RANGES, VALUES	
NOTE:	Each Late	ncy takes 4 columns, followed by a SPA		
See Note	15 (F4.2)	Decision Seconds (Pressing HOME)	0.00 to 9.99, -1 = Missing	
***************************************	***************************************	TID) hem Decision Latencies (For Item		
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES	
NOTE:		ency takes 4 columns, followed by a SPA		
See Note	15 (F4.2)	Decision Seconds (Pressing HOME)	0.00 to 9.99, -1 = Missing	
Line Num	ber 81 - [	TID] Item Decision Latencies (For Item		
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES	
NOTE:	Each Late	ency takes 4 columns, followed by a SP		
See Note	9 (F4.2)	Decision Seconds (Pressing HOME)	0.00 to 9.99, -1 = Missing	

Line Numi		iD) kem Fesponse batoncies (Forke)	10 #01-#15)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTE:	Each Late	ncy takes 4 columns, followed by a SPA	CE.
See Note	15 (F4.2)	Response Seconds (HOME to RESPONSE Button)	0.00 to 9.99, -1 = Missing
Mine Numi	9034588 == 1 <u>1</u>	(D) item Response Latencies (For iter	ns #16-#30)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTE:	Each Late	ncy takes 4 columns, followed by a SPA	CE.
See Note	15 (F4.2)	Response Seconds (HOME to RESPONSE Button)	0.00 to 9.99, -1 = Missing
Line Numi	ner 84 []	ID] Item Response Latencles (For Item	ns #31-#39)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTE:	Each Late	ncy takes 4 columns, followed by a SPA	CE.
See Note	9 (F4.2)	Response Seconds (HOME to RESPONSE Button)	0.00 to 9.99, -1 = Missing
Line Numi	ber 85 — [1	[D] Test Summary	
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
01-02		Number of Items Attempted	00 to 39, -1 = Missing
04-05	12	Number of Items Correct	00 to 39, -1 = Missing
07-11	F 5.2	Average Decision Time	0.00 to 9.99, -1 = Missing
13-17	F 5.2	Average Response Time	0.00 to 9.99, -1 = Missing
19-23	F 5.2	Average Total Item Time	0.00 to 9.99, -1 = Missing
25-26 28-29	12 12	Number of Times LT Hand Used  Number of Times RT Hand Used	00 to 39, -1 = Missing 00 to 39, -1 = Missing
31-32	12	Number of Times Unknown Hand	00 to 39, -1 = Missing

Table 7: ECAT-Version 5.0(97-Records)
Section: ONE-HAND TRACKING (Line Numbers 86-91)

Wine Num		[21] Personal Bata (Versions 4.0.8.5)	Header)
		Annual Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the	
COLUMN	FORMAT		VALID RANGES, VALUES
01-09	19	Social Security Number	DIGITS
11-13	F 3.1	ECAT System Version Number	5.0
15-20	16	ECAT System Version Date	910307
22-27	3 (12)	BirthDate (YYMMDD)	Year = 0099
			Month = 0112
			Day = 0131
29	11	Gender	1 = Male
			2 = Female
31	11	Education Level	1 = College, 1 Yr or more
			2 = H.S. Graduate
			3 = 12 years (Non-grad)
}			4 = 9 - 11 Years
ļ		·	5 = 8 Years or less
33	11	Language	1 = English
			2 = Spanish
į			3 = Chinese
i			4 = Other
35	11	Is Examinee Right Handed?	1 = Yes
			2 = No
38-43	3 (12)	Test Date (YYMMDD)	YY=0099, MM=0112,
			DD=0131
45-50	3 (12)	Test Time (HHMMSS)	HH=0023, MM=0059,
			SS=0059
52-55	F 4.1	[TR1] Software Version	10.1
57-62	16	Instruction Time in Seconds	0 to 999999, -1 = Missing
64-69	16	Test Time in Seconds	0 to 999999, -1 = Missing
71-74	14	Pedestal Serial Number	1000 to 1999
76-80	F 5.3	Graphics Screen Aspect Ratio	1.000

une Nun	1905an - 1	respatement Datumbers (för iteme #0)	#20)
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTES:	Each Item Missing da	ID Number is 3 digits, separated by one ata is indicated with an ID Number of "99 Item ID Numbers are given below as an	SPACE.
01-03	13	Item ID for Item #01	901, Missing = 999
05-07	13	Item ID for Item #02	902, Missing = 999
09-11	13	Item ID for Item #03	903, Missing = 999
(etc)	(etc)	(etc)	(etc)
⊔ne Nun		801 802 803 001 015 006 008 005 010 017 013	
		LINE NUMBER 87 apply to LINE NUMBE lete list of Item IDs for Items #21-#24 ar	
Line Num	ber 89 – [	R1] Calculated RMS (For Items #01-	<del>/1</del> 5)
E->505656			
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
COLUMN NOTE:		DESCRIPTION  is 4 digits, separated by a SPACE.	VALID RANGES, VALUES

Table 7 (continued)					
			The second second second		
Line Number 60—[FIRE] Calculated RMS (For liams 456±724)					
COLUMN	<b>FORMAT</b>	DESCRIPTION	VALID RANGES, VALUES		
NOTE:	NOTE: Each RMS is 4 digits, separated by a SPACE.				
See Note	9 (1 4)	Calculated Root Mean Square	0 to 9999, -1 = Missing		
See Note	9 (1 4)	Calculated Root Mean Square	0 to 9999, -1 = Missing		
		Calculated Root Mean Square  R1   Test Summery	0 to 9999, -1 = Missing		
		788			
		Rti] Test Summery	VALID RANGES, VALUES		
Line Númi	er 91 — [7	Rti] Test Summery	VALID RANGES, VALUES  1 = Right, 2 = Left		
Line Num	er 91 []	R1] Test Summery  DESCRIPTION	VALID RANGES, VALUES  1 = Right, 2 = Left  00 to 24, -1 = Missing		
COLUMN 01-02	FORMAT	Rtij Test Summery  DESCRIPTION  JoyStick Used	VALID RANGES, VALUES  1 = Right, 2 = Left		
COLUMN 01-02 04-05	FORMAT	DESCRIPTION  JoyStick Used  Number of Items Attempted	VALID RANGES, VALUES  1 = Right, 2 = Left  00 to 24, -1 = Missing		

Table 7: ECAT-Version 5.0(97-Records)
Section: TWO-HAND TRACKING (Line Numbers 92-97)

Line Aium	19819692=-11	R2) Personal Date (Versions 4.0.8-5:	ir Hoader)
		State of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state	
	FORMAT		VALID RANGES, VALUES
01-09	19	Social Security Number	DIGITS
11-13	F 3.1	ECAT System Version Number	5.0
15-20	16	ECAT System Version Date	910307
22-27	3 (12)	BirthDate (YYMMDD)	Year = 0099
			Month = 0112
			Day = 0131
29	11	Gender	1 = Male
			2 = Female
31	11	Education Level	1 = College, 1 Yr or more
			2 = H.S. Graduate
			3 = 12 years (Non-grad)
1			4 = 9 - 11 Years
:			5 = 8 Years or less
33	11	Language	1 = English
			2 = Spanish
			3 = Chinese
			4 = Other
35	11	Is Examinee Right Handed?	1 = Yes
			2 = No
38-43	3 (12)	Test Date (YYMMDD)	YY=0099, MM=0112,
	- 0 -1		DD=0131
45-50	3 (12)	Test Time (HHMMSS)	HH=0023, MM=0059,
			SS=0059
52-55	F 4.1	[TR2] Software Version	10.1
57-62	16	Instruction Time in Seconds	0 to 999999, -1 = Missing
64-69	16	Test Time in Seconds	0 to 999999, -1 = Missing
71-74	14	Pedestal Serial Number	1000 to 1999
76-80	F 5.3	Graphics Screen Aspect Ratio	1.000

COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUE	
NOTES:	Each Item	ID Number is 3 digits, separated	d by one SPACE.	
	Missina da	ata is indicated with an ID Numbe	er of "999".	
The first 3 Item ID Numbers are given below as an example.				
-01-00	10	Them ID for hom #01	901, Missing = 999	
01-03	13	Item ID for Item #01 Item ID for Item #02	902, Missing = 999	
05-07	13	Item ID for Item #03	903, Missing = 999	
09-11 (etc)	(etc)	(etc)	(etc)	
(610)	(0.0)	T(C.C)		
	The comp	plete list of Item IDs for Items #01	-#20 are as follows:	
	901 902 903	3 801 802 803 003 016 013 007 012 00	06 018 008 002 009 001 011 010 005	

Notes for LINE NUMBER 93 apply to LINE NUMBER 94. The complete list of Item IDs for Items #21-#24 are as follows:

017 014 015 004

COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES
NOTE:	Each RMS is 4	digits, separated by a SPACE.	

Line Number 95 [TR2] Calculated RMS (For Items #16-#24)				
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES	
NOTE:	NOTE: Each RMS is 4 digits, separated by a SPACE.			
See Note	9 (1 4)	Calculated Root Mean Square	0 to 9999, -1 = Missing	
Ame Numi	Line Number 97 — [TR2] Test Summery			
COLUMN	FORMAT	DESCRIPTION	VALID RANGES, VALUES	
01-02	12	Number of Items Attempted	00 to 24, -1 = Missing	
04-09	F 6.2	Average RMS Distance Off Target	0.00 to 999.99,	
			-1.00 = Missing	
11-14	14	Average LOG*1000+1 of RMS	0 to 9999, -1 = Missing	

### APPENDIX A

# PERSONNEL RECORD DATA ETHNIC GROUP CODES

### Ethnic Codes Used for Personnel Record Data

1=Spanish Decent 2=American Indian 3=Asian American 4=Puerto Rican 5=Filipino 6=Mexican American 7=Eskimo 8=Aleut 9=Cuban G=Chinese J=Japanese K=Korean L=Polynesian Q=Other Pacific islander S=Spanish Decent from Central America V=Vietnamese X=Other Y=None Z=Unknown

### **APPENDIX B**

# PERSONNEL RECORD DATA LEVEL OF EDUCATION CODES

### Level of Education Codes Used for Personnel Record Data

1=Did not graduate from High School 7=Correspondence School Diploma 8=Completed 1 Semester at a College or University B=Adult Education Program C=Occupational Program Certificate D=Associate Degree E=Test-based Equivalency Diploma G=Professional Nursing Diploma H=Home Study Diploma J-High School Certificate of Attendance K=Baccalaureate Degree L=High School Graduate M=Credential Near Completion N=Master's Degree R=Post Master's Degree S=Current High School Senior U=Doctorate W=First Professional Degree

## **APPENDIX C**

### SAMPLE CASE MERGED DATA ANALYSIS FILE

#### APPENDIX C

# SAMPLE CASE MERGED DATA ANALYSIS FILE (99 RECORDS)

Note: For the following sample case, the '\rightarrow' character designates the end-of-line to make trailing BLANKs more visible.

```
B92054USA FNYA
                         BRENDA
223344556D0EKEES
66011916K17B1614341348640812080947900716547323062
223344556 2.0 900817 660119 2 1 1 1 0.0 360 949
                                                                 25732
                                                                         -1.000
                            -1.000
                                     5
                                           69697
                                                   -1.000
                     98983
       -1.000
                3
43351
                                                                         -1.000
                                                   -1.000
                                                                 99039
                                           73734
                             -1.000
       -1.000
                3
                     44929
65206
                                                                         -1.000
                                                                 31310
                                                   -1.000
                                           77227
                5
                     95015
                             -1.000
                                      1
       -1.000
87068
                                                                 66188
                                                                         -1.000
                                                   -1.000
                                           00322
                                                            3
                             -1.000
                                      0
                1
                     44044
88008
       -1.000
                                                            0
                                                                 46544
                                                                         -1.000
                                      5
                                           94099
                                                   -1.000
                             -1.000
                3
                     02000
       -1.000
93193
                                                            3
                                                                 73573
                                                                         -1.000
                                           54354
                                                   -1.000
                             -1.000
                                      0
                2
                     38833
       -1.000
01140
                                                   -1.000
                                                            2
                                                                 33113
                                                                         -1.000
                                           88068
                     18180
                             -1.000
                                      1
               5
       -1.000
46646
                                                            1
                                                                 66368
                                                                         -1.000
                                      5
                                           76969
                                                   -1.000
                             -1.000
                     19191
       -1.000
53959
                                                   -1.000
                     55445 -1.000 5
                                           99772
       -1.000 5
47447
                            0.371篆
          0.594
                   1.000
 -1.000
                                                       2養
5
                                                  499
223344556 2.0 900817 660119 2 1 1 1 0.0 138
                                                            22.208
                                      3
                                        29.303
                                                  0
                        8.142 0
                   3
    19,466 0
                                                            18.736
                                         17.436
                                                  1
                   3
                        6.563
                                      2
                               1
 1
     5.958
            1
                                         23.898
                                                  0
                                                            38.067
                                      4
                      12.839
                               0
    19.294
             0
                   3
                                                             7.104
                                      2
                                         27.112
                                                  0
    19.472
             0
                   3
                      22,600
                               0
 5
                                                             9.995
                                                  1
                   5
                      10.524
                               1
                                      5
                                         13.384
     7.698
             1
 1
                                                            12.978
                       14.908
                                      5
                                         17.000
                                                  1
                   3
                               0
     6.371
             1
                                      4
                                          9.936
                                                 1
                                                            16.931
                        9.018
                               1
                    2
             0
 1
    10.152
                               0
                    2
                       17.111
    21.004
             0
 15.840
           0.400
                    1.000
223344556 2.0 900817 660119 2 1 1 1 0.0
                                                  632
                                            332
                                                 2.247
                                     4.736
                                                        0
                                            0
     2.935 0
                 1.641
                         0
                                 1
                                                 1.096
                                                         0
                                 1
                                     1.456
                                            0
                 2.122
                         0
    12.449
 0
             0
                                                 3.186
                                     4.901
                                             0
                 2.204
                                 1
                         0
     8.733
             0
 0
                                                 2.168
                                     3.212
                                                         0
                                             0
                 3.365
                         0
                                 1
    16.458
             0
                                                 1.381
                                 1
                                    11.031
                                             0
                         0
      3.406
             1
                 3.087
                                                 1.765
                                    13.615
                                             0
             0
                  1.988
                         0
                                 1
      5.937
 1
                                                 1.933
                                                         0
                                     3.579
                                             0
                  1.376
                         0
                                 0
     14.192
             0
                                    11.694
                                             0
                                                 3.470
                                                         0
                                 1
                  2,264
                         0
      3.419
                                                 2.436
                                                         0
                                    18.520
                  1.938
                         0
      5.998
             0
 0
                                     6.893
                                                 2.795
                                             0
                  1.511
                         0
                                 1
    11.009
             0
                                                 3.784
                                    33.063
                                             0
             0
                  2.399
                         0
                                 0
      3.058
                                                 1.796
                                    10.488
                                             0
     15.247
             0
                  2.174
                         0
  0
                                             0
                                                 1.672
                  1.516
                         0
                                 1
                                    12.616
             0
     10.668
  0
                                                 1.777
                                                         0
                                    29.308
                                             0
                  4.182
                         ٥
      2.404
             0
                                                 1.511
                                                         0
                                     6.468
                                             0
                         0
     12.020 0
                  3.848
                                                 2.532
                                   16.774
      2.245
                  1.530
                         0
```

```
23.145
                                           1.540
                                       0
   14.446
               1.520 0
                                           5.079
   30.275
               2.018
                     0
                            0
                                4.247
                            0
                                4.970
                                       0
                                           1.304
                                                 0
   16.145
               4.283
                     0
           0
                                6.290
                                           1.387
                     0
                            1
               1.505
   21.978
                          1.000
           2.121
                   0.450
   8.319
223344556 2.0 900817 660119 2 1 1 1 0.0 209
                                           554
                                 3
                                   16.292
                                           1
                                                    17.152
                    17.016 1
                 1
   11.816
          1
                                                    13.084
                                    32.739
                                           0
                    10.061
   20.491
                 3
                           1
                                    20.910
                                                    29.401
                                           0
   28.915
                 1
                    18.068
                                 1
           0
                           1
                                                    22.264
                                    17.432
                    25.785
                                           1
   26.479
                 3
                           1
          0
                                     7.534
                                           0
                                                 1
                                                    11.790
   14.261
           1
                    20.823
                           0
                 2
                    11.778
                           0
                                     8.441
                                           1
                                                     9.538
   10.784
           0
                                    14.240
                                           0
                                                    21.584
                 2
                    13.876
   16.167
           0
                                     9.386
                                            1
                                                     7.057
                     7.609
    9.560 1
                 1.000
         0.500
 16.323
223344556 2.0 900817 660119 2 1 1 1 0.0 275
                                           332
                                 1
                                    14.809
                                            0
                                                 5
                                                     9.040
   16.158
                 1
                    17.433
                           0
           0
                                    17.775
                                           0
                                                     8.202
   27.349
                 2
                    22.069
                           1
 2
           0
                                    11.249
                                                    17.199
                 5
                    15.373
                                           0
                           0
 3
   12.214
           0
                                                 1
                                     6.028
                                           1
                                                    10.219
    7.140
           1
                 1
                     9.235
                     7.873
                           1
                                 1
                                     8.366
                                           0
                                                    15.153
   12.959
           0
                                 2
                                                 5
                                                     7.045
                    11.687
                                     5.016
                                            1
           0
                 3
   17.888
         0.208
                 1.000
 13.850
223344556 2.0 900817 660119 2 1 1 1 0.0 378
                                            642
                                    -1.000
                                                 2
                           0
                                 1
                                            0
                                                    -1.000
   -1.000 1
                 3
                    -1.000
 1
                                                 3
                                                    -1.000
   -1.000 0
                 3
                    -1.000
                           0
                                 3
                                    -1.000
                                            0
 3
                                                 2
                 2
                                    -1.000
                                           0
                                                    -1.000
                    -1.000
 3
   -1.000 1
                           0
                                 2
                                    -1.000 0
                                                    -1.000
   -1.000 O
                 2
                    -1.000
                           1
                                                    -1.000
                                    -1.000
                                                 1
   -1.000 0
                 4
                    -1.000
                           1
                                            0
                                                    -1.000
                 2
                    -1.000
                           1
                                 2
                                    -1.000
                                           1
   -1.000 0
                 3
                                    -1.000
                                                 3
                                                    -1.000
                                            1
   -1.000 0
                    -1.000
                           1
                                 2
                                                 3
                                                    -1.000
 3
   -1.000
          0
                 4
                    -1.000
                           1
                                    -1.000
                                            0
                                                    -1.000
                 3
                           0
                                 3
                                    -1.000
                                            0
                                                  1
   -1.000
          0
                    -1.000
                                 2
                                    -1.000
                                            0
                                                    -1.000
                 4
                    -1.000
                           1
   -1.000 0
         0.350
                 1.000
 -1.000
223344556 2.0 900817 660119 2 1 1 1 900930 063230 0.0
                                                      126
                                                            296 1207 1.000
901 902 903 001 002 003 005 006 007 008 009 011 012 013 014 016 018 019 022 023
024 026 027 028 029 030 031 033 034 036 038 039 040 042 043 044 045 046 048
102112111210021101111122111102002220112
4.89 9.01 2.60 2.68 1.88 2.81 1.96 1.77 2.58 2.35 3.49 2.82 2.60 3.91 5.21
 2.79 3.11 1.99 4.35 2.91 3.61 2.27 2.95 3.14 2.36 3.37 3.19 3.01 6.49 2.71
 2.68 2.29 2.62 2.61 2.60 4.16 2.67 3.13 2.71 囊
 2.87 0.00 0.57 0.57 0.49 0.48 0.65 0.60 0.52 0.68 0.63 0.96 0.56 1.40 0.91
 0.81 0.67 0.42 0.49 0.68 0.84 0.72 1.48 0.65 0.63 0.71 0.64 0.81 0.70 1.01
 36 35 2.71 0.69
                   0.972
                          1.000 19 10 7鑿
223344556 2.0 900817 660119 2 1 1 1 900930 062447 0.0
                                                      216
                                                             225 1207 1.000
901 902 903 801 802 803 001 015 006 008 005 010 017 012 011 009 002 016 018 003
014 007 004 013
 4099 3382 3520 3456 4299 4170 2629 3924 3098 4391 4501 2985 5028 4043 4051變
 4477 3536 4133 4841 3421 4388 4411 4217 3951饕
```

1 18 626.56 59.90 4001\$
223344556 2.0 900817 660119 2 1 1 1 900930 063954 0.0 133 225 1207 1.000\$
901 902 903 801 802 803 003 016 013 007 012 006 018 008 002 009 001 011 010 005\$
017 014 015 004\$
3448 3823 4262 4734 4443 4854 4689 4851 4393 4383 4517 4542 4614 4802 4381\$
4889 4249 4514 4273 4725 4677 5013 4629 4071\$
18 239.76 93.07 4567\$

### APPENDIX D

### SAMPLE CASE RAW ECAT DATA - VERSION 2.0

### APPENDIX D

### SAMPLE CASE RAW ECAT DATA - VERSION 2.0 (93 RECORDS)

Note: For the following sample case, the '\rightarrow' character designates the end-of-line to make trailing BLANKs more visible.

```
111222333 701102 1 2 1 1 養
  238 201 1 🕸
   0 1 1
98983 69777 44929 99039 $
             1 1
35112 25732 65026 73763 87068 91501 $
           6.102鼜
  6.956
  330 687 1 餐
                       0 0 0
          0 0 0
                   1
77222 66800 00200 00200 44848 54219 33113 11919 44747 55454 🖹
                    0 0 0 0 0 0 0 0
       0 0 0 0
60601 03023 66578 99391 83554 66455 02285 54335 53577 73793 🌋
66808 63936 66797 00000 44584 鼜
                   1.000 0.520
            7.185
  8.270
                                       2隻
111222333 701102 1 2 1 1
                           105
                                 567
                                                                           9.992
                                       11.127
                                                        12.455
                       7.313
                              1
                                    4
                  5
   17.315
             1
                                                                          19.446
                                                     5
                                                        15.794
                                                                 0
                                                                      1
                                       28.505
                                                1
                  2
                     11.895
                              1
     9.218
             1
                                                                          21.100
                                       39.583
                                                1
                                                     2
                                                        24.996
                                                                 1
                                    2
                      16.846
                              1
    30.972
             0
                  2
                                                        11.224
                                                                 1
                                                                      3
                                                                           7.491
                                                     5
                                       11.415
                                                1
                                    5
    14.496
             1
                       9.981
                              1
 5
                                                                 1
                                                                      5
                                                                          16.267
                                                     3
                                                        30.748
                                       19.997
                                                1
                      26.630
                              0
    10.283
             1
                  1
                                                                 0
                                                                          16.351
                                                        27.565
                     25.234
                              1
                                    2
                                       16.870
    22.633
             0
                  4
                 1.000建
 18.125 0.700
                                         1.000
                              290
                                    467
111222333 701102 1 2 1 1
                                                      3.315
                                         4.492 0
                                    0
       4.164
                     1.531
                            0
               0
                                                      1.769
                                        14.350
                                                 0
                     2.317
                                    0
  0
       15.453
               0
                            0
                                                      1.975
                                                              0
                                         6.816
                                                 0
        5.659
                     1.743
                            0
                                    0
               0
  1
                                         8.919
                                                 0
                                                      1.223
                                                              0
                                    0
                     1.710
                            0
       8.801
               0
  1
                                                      1.900
                                                              0
                                         8.642
                                    0
                     2.095
        2.788
               0
                            0
  1
                                                      1.881
                                                              0
                                        11.480
                                                 0
        3.402
               0
                     3.739
                            0
                                    1
  1
                                                              0
                                                      1.951
                                         3.416
                                                 0
                            0
        7.500
               0
                     1.440
  1
                                                              0
                                                 0
                                                      2.834
                     2.705
                                         3.783
        2.205
               0
                            0
                                    1
  0
                                                              0
                                         5.476
                                                 0
                                                      1.448
                            0
                                    1
                     1.760
  0
        6.916
               0
                                                      1.644
                                                              0
                                        10.462
                                                 0
                                    0
                     2.280
  0
        9.267
                                                              0
                                                      2.111
                                                 0
                     1.761
                                    0
                                         9.968
        2.796
                            0
               0
  1
                                         8.627
                                                 0
                                                       1.493
        9.790
                     1.926
                                    1
               0
                            0
  1
                                                       2.166
                                                              0
                                         4.581
                                    1
                                                 0
               0
                     1.972
                            0
  1
       11.162
                                                       1.757
                                                              0
                                                 0
                                    1
                                        14.146
  1
        2.415
               0
                     1.702
                                                       1.536
                                                              0
                                        21.877
                                                 0
                     1.930
                             0
                                    0
        6.916
               0
  0
                                                       2.047
                                                              0
                                    0
                                        11.498
                                                 0
                     1.543
                             0
        2.531
                0
  0
                                                              0
                                          7.271
                                                 0
                                                       2.731
                                    0
                     1.825
                             0
   1
        4.820
               0
                                                       2.449
                                                              0
                                          3.057
                                    1
                                                 0
        2.726
               0
                     1.327
                             0
```

```
5.137 0
                                             1.476 0
      6.700
                 2.082 0
                 1.452 0
                              0
                                  1.392 0
                                             0.992 0
      7.445
            0.272 0 0.500
      0.781
111222333 701102 1 2 1 1 523 458
                                                  16.092
   28.467 0
                   12.461 1
                                  22.746 1
                1
                    6.382 0
                                                   3.452
   18.469
          1
                1
                                  18.413
                                          0
                                                  24.533
                   21.099 0
                                  26.963 1
   10.728 1
1
                                                 20.528
                                  13.416 1
   4.185
                   1.128 0
                                                 14.451
                    8.815 1
                                  14.573
   11.664
          1
1
                                  11.324 1
                                                  8.187
                    9.942 1
    9.851
                                   2.328 0
                                                  10.476
    9.904 1
                    9.269 0
                2
                   22.370 0
                                  11.218
                                         1
                                                  13.458
   12.183 0
13.409 0.562
             1.000
111222333 701102 1 2 1 1 492
                            534 OS
                                3 17.559 1
                                                 10.665
                1
                   11.948
                          0
   30.440 0
                                  14.574 0
                                                 14.939
                2
                    6.924 1
   17.836 0
                                  13.435 0
                                                 14.318
                   16.120 0
   17.814
                   35.801 1
                2
                                  41.290 0
                                                 11.484
   15.547
          1
                                                  22.115
   16.382 0
                2
                                   24.689 0
                   13.520 0
                5 11.920 1
                                  49.658 0
                                               3 72.382
   7.947 1
22.263
       0.375蓬
24 98
                                      1.000
111222333 701102 1 2 1 1
                          440 554
                                  2
                1
                    2 1
                          3 1
                                2
                                  0
                                       1 0
                                             0
       3
         0
             1
  1
                          2
                                 2 0
                                       2 0
                                             0
                                                0
                                                       1
                                                          1
       1
          1
             2
                1
                    1
                      1
                             0
                                                    1
 1
   1
                                       3 1
                                             3
             3
               0
                    3
                      1
                          2
                             0
                                 3 0
                                                1
                                                    1
   0
         - 1
 3
                          3 1
                                 1 0
                                       1 0
                                             3 1
                                                    2 0
                                                          0
                                                                  18
             0 0
                    1 1
111222333 701102 1 2 1 1 900927 100925
                                       74
                                             141 1123 1.000
901 902 903 001 002 003 005 006 007 008 009 011 012 013 014 016 018 019 022 023
024 026 027 028 029 030 031 033 034 036 038 039 040 042 043 044 045 046 048
20222222211221010012222200222222111101
3.52 2.07 1.69 1.50 1.91 2.71 1.58 1.36 1.62 1.59 1.17 2.12 1.00 1.58 1.71
 1.14 0.99 1.28 1.14 1.29 1.56 1.69 1.74 2.21 2.16 1.79 1.99 1.98 1.30 1.60
 1.40 2.15 1.80 2.99 1.43 3.03 1.59 3.43 1.94
 0.21 0.25 0.37 0.22 0.26 0.29 0.41 0.23 0.56 0.29 1.34 0.32 0.29 0.31 0.49
 0.33 0.32 0.33 0.46 0.29 0.23 0.23 0.30 0.32 0.21 0.33 0.41 0.33 0.35 0.30
 0.35 0.22 0.34 0.63 0.30 0.35 0.33 0.34 0.40
39 36 1.81 0.35 2.17 22 10 7
111222333 701102 1 2 1 1 900927 101322
                                      123
                                              225 1123 1.000
901 902 903 801 802 803 001 015 006 008 005 010 017 012 011 009 002 016 018 003
014 007 004 013
 2642 2895 2825 3058 3532 3227 2471 3150 3266 3383 3203 2506 3415 3126 2884
 3451 2986 3333 3494 2932 2891 2818 2888 2925
24 21.11 3054
                                              225 1123 1.000
111222333 701102 1 2 1 1 900927 100321
                                       116
901 902 903 801 802 803 003 016 013 007 012 006 018 008 002 009 001 011 010 005
017 014 015 004
 3156 4311 4651 4040 3804 4295 4592 4530 3548 4522 4105 4576 4648 4982 3772
 4857 4248 3653 3418 4008 4614 4006 4591 4492
24 74.54 4225
```

## APPENDIX E

### SAMPLE CASE ECAT RAW DATA - VERSION 5.0

### APPENDIX E

### SAMPLE CASE ECAT RAW DATA - VERSION 5.0 (97 RECORDS)

Note: For the following sample case, the '\mathbb{e}' character designates the end-of-line to make trailing BLANKs more visible.

```
444555666 5.0 910307 730706 1 2 1 1 1.1 132 1183 6
                                                                  25732
                                                                           5.087
                                                     4.169
                                            69677
                                                            1
                               3.984
                                      1
         5.857
                1
                      98983
43315
                                                                           4.210
                                                                  99039
                                                    10.243
                               3.684
                                            77346
                                                             0
                1
                      44929
                                      1
         5.433
65026
                                                                  10106
                                                                          16.672
                                                     4.445
                                                             1
                               4.706
                                      1
                                            77227
                      91501
         4.096
                1
87068
                                                                  61088
                                                                          59.976
                                            04033
                                                    53.963
                                                             0
                               4.953
                                      1
                      00400
68866
         8.187
                1
                                                             0
                                                                  65055
                                                                          17.640
                                            48000
                                                    18.587
                              11.484
                                       0
                      03000
       24.929
                0
93913
                                                     7.726
                                                                  63236
                                                                          20.763
                                                             1
                                       1
                                            54345
                0
                      83388
                               4.580
         4.192
74100
                                                                  33133
                                                                           2.801
                                                    10.069
                                                             0
                              20.921
                                       1
                                            86685
                      81810
         3.953
                0
46644
                                                                  30883
                                                             0
                                                                          11.173
                               3.007
                                            94774
                                                    23.564
                      19191
                                       1
       21.909
                0
53935
                                            69955
                                                     7.852
                                                             0
                                       1
                      55445
                               6.937
                1
47447
         2.584
           0.731
                    5.000
  2.425
                                                        0養
3
444555666 5.0 910307 730706 1 2 1 1 2.2 105
                                                   699
                                                             10.283
                                       4
                                          32.985
                                                   1
                    5
                       13.112
                                1
    20.314 1
 3
                                                             31.506
                                       2
                                           9.886
                                                   1
                        9.031
                                1
                    3
     7.767
             1
 1
                                                             38.095
                                       4
                                          50.333
                                                   0
                       46.394
                    1
                                1
    13.562
             1
 1
                                                             38.040
                                          26.395
                                                   1
                                       3
                       38.067
    61.162
             0
                    2
                                1
                                                              6.043
                                           8.208
                                       5
                                                   1
                    5
                        8.619
                                1
             1
    11.359
 1
                                                             31.039
                                       5
                    5
                                1
                                          14.800
                                                   1
                       10.512
    13.754
             1
                    5
                                       1
                                          31.359
                                                   0
                                                              6.840
    24.001
                       31.757
                                0
             1
                                      ▓
             0
                    4
                       22.505
    19.072
                    1.000
           0.800
 22.893
                                                         ®
0
444555666 5.0 910307 730706 1 2 1 1 3.0
                                             385 1364
                                                  3.550
                                                          0 **
                                              0
                                     19.018
                  1.536
                         0
                                 1
     3.741
             0
                                                  7.948
                                     19.983
                  9.545
                                              0
                          0
                                  1
     25.788
             0
 1
                                     18.789
                                                  8.845
                                                          0
                                              0
    16.052
             0
                 17.145
                          0
                                  1
 1
                                                  3.872
                                                          0
                                     59.902
                                              0
                         0
                                  1
     30.678
             0
                 10.498
                                                  3.287
                                                          0
                                     33.597
                                              0
      3.204
                  6.069
                          0
                                  1
             0
                                                 10.623
                                     89.526
                                              0
                  5.218
                          0
                                  1
      8,008
             0
 1
                                      8.702
                                                  2.828
                                                          0
                  7.677
                          0
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     51.335
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                                     18.247
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444555666 5.0 910307 730706 1 2 1 1 2.1 230
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444555666 5.0 910307 730706 1 2 1 1 910724 094643 10.1
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 1818 2111 2711 2421 2492 2673 1709 2298 2706 2388 2322 1902 2381 2306 2038
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444555666 5.0 910307 730706 1 2 1 1 910724 094008 10.1 147
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